

THE NATIONAL PROVISIONER.

The Organ of the Provision and Meat Industries of the United States.

Entered at the Post Office, New York, and admitted for Transmission through the Mails at Second-Class Rates.

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Subscription, \$4.00 Per Year.
Single Copies, 10 Cents.

U.S. Department of Agriculture
FEB 7 1898
H.

E. Stürcke & Co., Chemists. See page 24.



TABER ROTARY PUMPS

SPECIALLY ADAPTED TO PUMPING

Oils, Fats, Blood, Glue, Soap, Etc.

Put in on Positive Guarantee and
long trial before paying

PUMPS { HOT COLD THICK THIN } FLUIDS.

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Write for catalogue and price list.

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ESTABLISHED 1857

PORK AND BEEF PACKERS AND LARD REFINERS.



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CELEBRATED "REGAL" HAM, BREAKFAST BACON AND SHOULDER

Manufacturers of the famous brand "PURITY" Lard.

Goods for Export and Home Trade in any desired package.

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Page's THIS WEEK'S Quotations on Calf Skins.

WEIGHT.		
17 and up		\$2.75
12 to 17 lbs.		2.25
9 " 12 "		1.80
7 " 9 "		1.52
5 " 7 "		.95
Under 5 "		.60

These quotations are for the cured or salted weights of choice, fine, trimmed Veal Skins, perfect on flesh and grain, taken off and cured exactly in accordance with our printed directions (which we furnish Butchers free, postpaid, on application), and are for Skins shipped in to us clean and fresh.

We pay the freight if shipped in quantities of 200 lbs. or more, including other stock shipped to us at same time, after delivery at the Butcher's nearest station, if he will first write to us for shipping directions and refer to this offer, and say that he saw it in THE NATIONAL PROVISIONER. Address

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HOG & BEEF

Nelson Morris & Co.,

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Carefully cleaned. Quality the best.

HIGHEST PRICES
PAID FOR

CALFSKINS

A SPECIALTY.

CONSIGNMENTS SOLICITED.

Hides, Horsehides, Tallow, Etc.

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WILMINGTON, DELAWARE.

BUILDERS OF REFRIGERATING AND ICE MAKING MACHINERY
FROM 1/2 TO 50 TONS CAPACITY.

We make a SPECIALTY OF SMALL MACHINES, and have the MOST SUCCESSFUL SYSTEM OF MECHANICAL REFRIGERATION for Packing Houses, Hotels, Market Houses, Breweries, and wherever a moderate amount of Refrigeration is required. The REMINGTON VERTICAL AMMONIA COMPRESSORS are built either with ENGINE direct connected on same base, or for BELT POWER. They are the SIMPLEST, MOST COMPACT and EFFICIENT MACHINES yet designed for this purpose. Skilled help not required for their operation.



REMINGTON BELT POWER COMPRESSOR.

In sending for estimates give as full information as to your requirements as possible.

State:—

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2. Length, width and height of the rooms to be cooled.
3. Temperatures required in each room.
4. Quantity of ice required per 24 hours in addition to the refrigeration.
5. Quantity and summer temperature of water supply available.
6. Kind and amount of power already in place available to drive Compressor.

Remington Machine Co.
WILMINGTON, DEL.

NEW YORK OFFICE:
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BAKER & HAMILTON,
San Francisco, Cal.
Sole Pacific Coast Agents



REMINGTON DIRECT CONNECTED COMPRESSOR.

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THE BUFFALO REFRIGERATING MACHINE CO.

CONTRACTS TAKEN FOR
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Manufacturers of Refrigerating Machines and Plants of any desired capacity for the cooling of Packing Houses, Abattoirs, Cold Storage Warehouses, Breweries, Dairies, Confectioneries, etc.

Also for the MANUFACTURING of ARTIFICIAL ICE by the CAN SYSTEM and by their NEW IMPROVED DIRECT AMMONIA PLATE SYSTEM.

We Make a Specialty of COLD STORAGE AND REFRIGERATION
FOR BUTCHERS AND PACKERS.

DESCRIPTIVE CIRCULARS, REFERENCES, DETAILED ESTIMATES and INFORMATION FURNISHED on APPLICATION.

SEE PAGE 7, INDEX TO ADVERTISEMENTS.

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HAMMOND, IND. AND SOUTH OMAHA, NEB.

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DRESSED BEEF, SHEEP AND HOGS

MAKERS OF "CALUMET" BUTTERINE ESPECIALLY ADAPTED FOR SUMMER USE.

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BEEF EXTRACT, CANNED MEATS,
HAMS AND BACON, LARD, Etc., Etc.
HAVE NEVER BEEN EXCELLED.

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Boston Branch, 54 Chatham Street,
Chicago Branch, 244 Lake Street.

TRY OUR LARD SUBSTITUTE, "COOKENE."

A Breakfast Luxury.



1 lb. Patent Key Opening Tins.
12 to Case.

"SWIFT'S PREMIUM"
SLICED....
BONELESS BACON.

Convenient—Dainty—Economical.

Swift and Company,

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SO. OMAHA.
ST. JOSEPH.

KANSAS CITY.
EAST ST. LOUIS.
SO. ST. PAUL.

EASTERN OFFICE:
616 Townsend Bldg.
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N. Y. City.

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John Featherstone's Sons,

Halsted & Front Streets,
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"Consolidated" } Refrigerating
"Featherstone" } Machines.

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THE EDW. P. ALLIS COMPANY,

MANUFACTURERS OF

Correspondence Solicited.



Hercules and Reliance

Refrigerating Machinery.

FOR PACKING HOUSES, MEAT MARKETS, PROVISION STORES, Etc., Etc.
Machines of Any Desired Capacity from 1 Ton to 500 Tons.
Manufacturers of High Grade Ammonia Fittings, Bent Pipe, Coils.

MILWAUKEE, WISCONSIN, U. S. A.

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Chicago, Ill., Room 500, Home Ins. Bldg. Butte, Mont., Room 37, Lewisohn Bldg.
Minneapolis, Minn., Room 416, Corn Exchange. City of Mexico, 8 Calle Gante.
San Francisco, Cal., 9 Fremont Street.

Do you want the best
Machine made?
We have it!



Meets Competition
in Quality
and Price.

Write us
for Information
Send for Circulars.

If you wish
to lead the procession
Give us your Order.

EDGAR PENNEY,
President and Manager.

ROBERT WHITEHILL,
Secretary and Treasurer.

Machines—One
to 500 Tons
Capacity.

Ice Machines

and

Corliss Engines

WRITE FOR PRICES
AND 64-PAGE
BOOKLET.

SMALL MACHINES FOR BUTCHERS A SPECIALTY.

The Riverside Iron Works Co. KANSAS CITY, KAN.

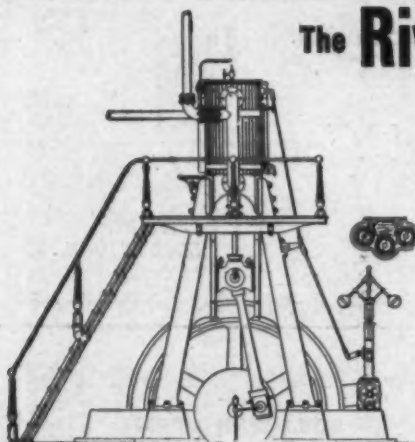
MANUFACTURERS OF

ICE AND REFRIGERATING MACHINERY

of any Size or Capacity, on the Compression Principle, also Manufacturers of SPECIAL AMMONIA

FITTINGS which are superior to anything now on the market. MANUFACTURERS OF PACKING

HOUSE MACHINERY OF ALL KINDS. The ROBERTS HOG SCRAPER, LARD ROLLERS IN ONE PIECE.



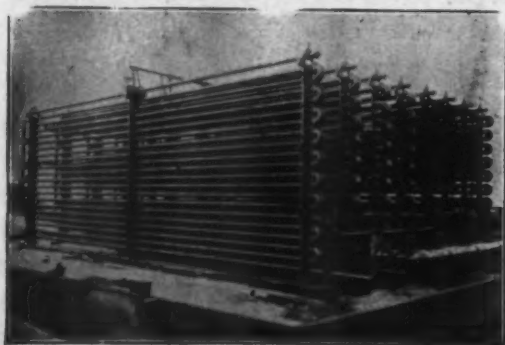
100 Ton Refrigeration Machine.

We contract for the EQUIPMENT
OF COMPLETE PLANTS,
either for Ice Making Cold Stor-
age, Packing Houses or Brew-
eries.

Correspondence Solicited.

....Partial List of Machines in Operation.

St. Louis Ice and Cold Storage Co., St. Louis, Mo.	1	70-ton	Ref.
Kansas City Ice and Cold Storage Co., Kansas City	1	70-ton	"
Reid Bros. Packing Co., Kansas City, Kan.	2	70-ton	"
Omaha Brewing Association, Omaha, Nebraska	2	75-ton	"
Kansas City Ice and Cold Storage Co., Kansas City, Mo.	1	100-ton	"
Kansas City Ice and Cold Storage Co., Kansas City, Mo.	1	250-ton	"
Ryan & Richardson, Leavenworth, Kan.	1	100-ton	"
Jacob Dold Packing Co., Buffalo, N. Y.	2	50-ton	"
Jacob Dold Packing Co., Kansas City, Mo.	1	70-ton	"



Voss Ice Machine Works,

CONSULTING ENGINEERS AND
MANUFACTURERS OF

ICE AND REFRIGERATING MACHINES.

Also of Ammonia Valves and Filling.

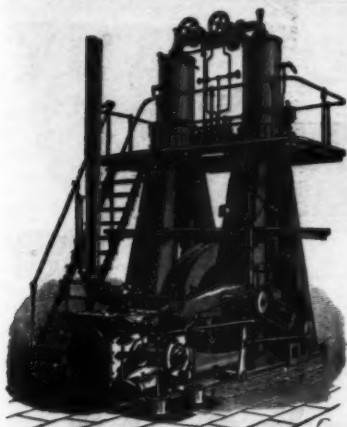
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American Houses desiring to be
represented by good parties in Euro-
pean cities on articles of American
manufacture, produce, inventions and
finance, will do well to correspond
with A. G., Foreign Department, THE
NATIONAL PROVISIONER, 284
PEARL STREET, NEW YORK.

WANT & FOR SALE ADS. can be found on page 45



FRICK COMPANY ENGINEERS.

ESTABLISHED 1853.
INCORPORATED 1885.

Capital, - \$1,000,000.

S. B. RINEHART, President.
A. O. FRICK, Vice-President.
H. B. STRICKLER, Treasurer.
EZRA FRICK, Gen'l Man. & Sec.
A. H. HUTCHINSON, Manager Ice
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Manufacturers of the ECLIPSE ICE MAKING AND REFRIGERATING MACHINES. We build the largest and most successful Ice Making and Refrigerating Machinery made in this or any other country. Send for our list of References and New Ice Machine Circular for 1896, describing latest improvements and methods for Making Ice and Refrigerating. Also builders of First-class CORLISS STEAM ENGINES. Send for Corliss Engine Circular, 1896. Special High Speed (New Pattern) AUTOMATIC STEAM ENGINES. Send for High Speed Engine Circular, 1896.

Corliss Steam Engines. Ice Making Machinery.

High Speed Engines. Steam Boilers.

**Frick Company, WAYNESBORO,
ENGINEERS. FRANKLIN COUNTY, PA.**

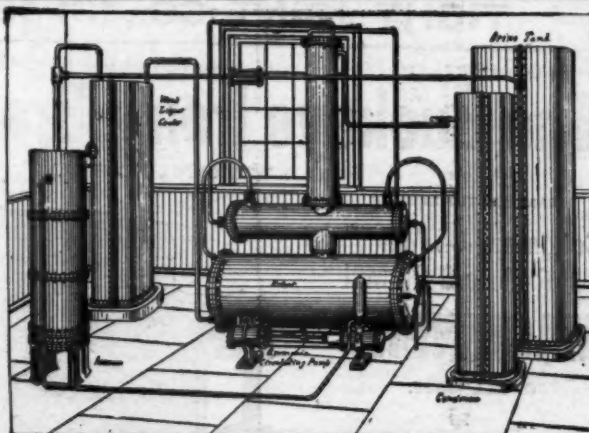
Simplest. Best. Lowest Price.

**CONDICT
ICE-MAKING
OR
REFRIGERATING
MACHINE.**

Uses Less Fuel, Than Any
Uses Less Water } Other System

BUILT BY
STEELE & CONDUCT,
JERSEY CITY, N. J.

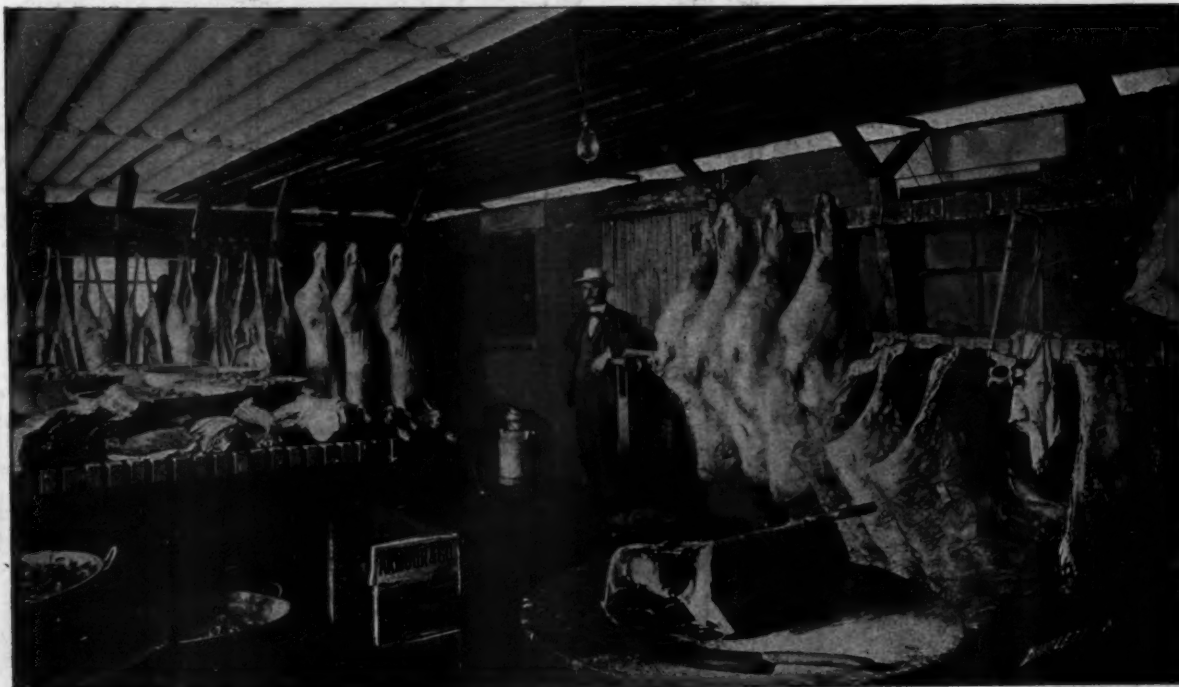
CORRESPONDENCE
SOLICITED.



(PATENTED). CUT REPRESENTS ENTIRE PLANT.

REFERENCE LIST.

KANENBLEY BROS., Provisions,
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Cracker Mfg., New York City, N. Y.
WALLACE & CO., Confectioners,
New York, N. Y.
CENTRAL LARD CO., Lard Refiners,
New York, N. Y.
BUSH BROS., Provisions,
Jersey City, N. J.
JAMES McILHINNEY, Provisions,
Jersey City, N. J.
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Paterson, N. J.
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Seabright, N. J.
FIDELITY WAREHOUSE & COLD
STORAGE CO., General Cold Storage,
Trenton, N. J.
PETERSBURG CRYSTAL ICE CO.,
Mfg. Ice, Petersburg, Va.
WM. GRANT'S SONS, Provisions,
Springfield, O.
IRAAO WHIFFEN'S SONS, Provisions,
Ytica, N. Y.
COOKE BROS., Oil Works,
Elizabeth, N. J.
HOTEL MARGARET, Brooklyn, N. Y.



THE MEAT ROOM OF THE COOK COUNTY HOSPITAL, CHICAGO, ILL., IS SHOWN ABOVE.

A few years after this plant was started a new and superior outfit of refrigerating machinery, which will be shown in this space next week, was installed by

WESTINGHOUSE, CHURCH, KERR & COMPANY,

NEW YORK, 26 Cortlandt Street.
BOSTON, 53 State Street.

ENGINEERS.

PITTSBURG, Westinghouse Building.
CHICAGO, 171 La Salle Street.

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MALLEABLE IRON

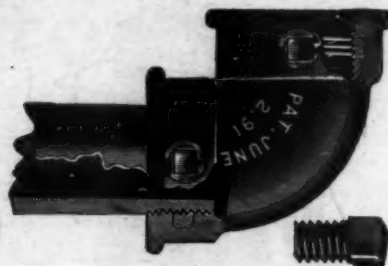
AMMONIA

FITTINGS

For ICE & REFRIGERATING MACHINES

NEVER LEAK.

TIGHT JOINT CO., 181-183 BANK ST., N. Y.



The Buckeye Iron AND Brass Works

DAYTON, OHIO.

MANUFACTURERS OF

Cottonseed Oil Mill
AND Linseed Oil Mill

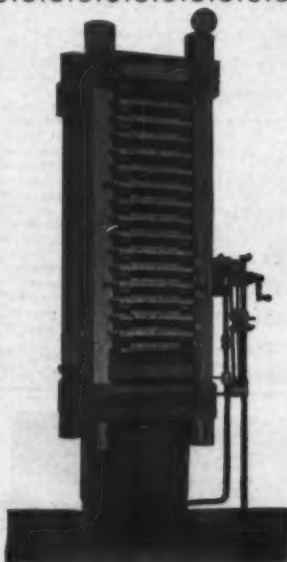
MACHINERY

OF ALL KINDS.

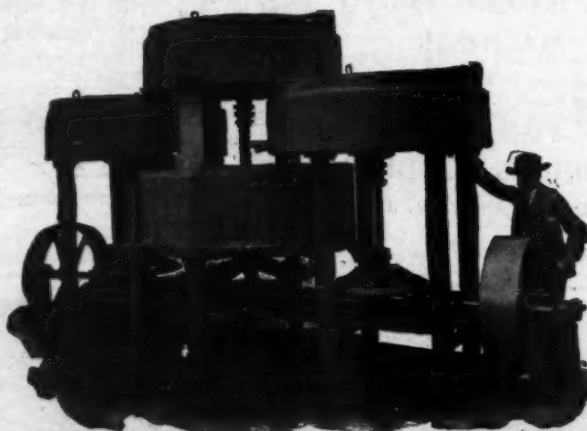
Rolls, Pumps, Molds,

The Most Perfect System
of Pressure Application.

The Very Latest Improvements
and the Very Best.



THE BUCKEYE HYDRAULIC PRESS.

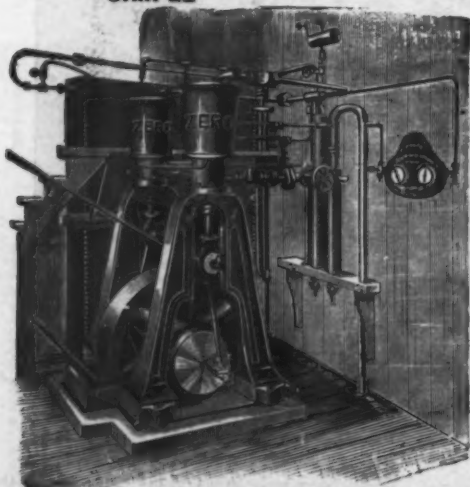


SET OF 60-TON COOKERS FOR COTTONSEED OIL MILLS.

ZERO SIMPLE

Factory: DERBY, CONN.
Refrigerating and Ice Machines for all purposes, of the most
improved kind from one-half to 25 ton capacity.

ZERO COMPACT



Style of a 4 to 30 ton machine.

ZERO STRONG

Read Statement of A. E. Schultheis,

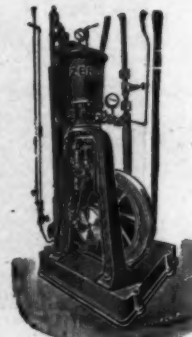
575 EIGHTH AVENUE,
NEW YORK CITY

Gentlemen: Your inquiry in regard to my refrigerating machine at hand. I can say that it has given me perfect satisfaction. During the summer months I run it from 7 A. M. until 7 P. M. all week days except Saturdays, on which day I run it until 11 P. M., as I close my market at 12 o'clock midnight. I do not run it on Sundays. From Saturday night until Monday morning the temperatures in the coolers raise from one to two degrees. One of your best improvements is your storage system, and I would not consider any refrigerating machine for a retail market complete without it.

FOR PRICES AND OTHER PARTICULARS, ADDRESS

ZERO Refrigerating Machine Co.

203 BROADWAY, NEW YORK.



Style of a 1/2 to 4-ton machine.

ZERO ECONOMICAL

Index to Advertisements can be found on Page 7.

ADVERTISING RATES.

THIS JOURNAL IS PUBLISHED
EVERY SATURDAY.

Regular rates are understood by the year—52 Insertions.

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1	Inch	x	3/4	inches wide	\$50.00
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3	"	x	1 1/4	"	100.00
4	"	x	1 1/2	"	125.00
5	"	x	1 3/4	"	175.00
8	"	x	2	"	225.00
11	"	x	2 1/2	"	300.00
14	"	x	3	"	450.00
18	"	x	3 1/2	"	575.00
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28	"	x	5	"	850.00

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For "Want" and "For Sale" advertisements see page 48.

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3 Months.....	35% of annual rate.
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Advertisements which are indexed under more than one classification will be charged for at the rate of ten cents per heading per insertion. A reasonable number of classifications in the index will be allowed, however, without extra charge, on large contracts.

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Wm. Hooton & Co.....
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J. C. Johnston.....
David G. Link.....
Jacob Leoner.....
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Van Winkle Gin and Machine Works, E.....
Viller Manufacturing Co.....
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The United States in 1895 exported to the Argentine Republic just 322 kilograms of hams. The Argentine Republic that year consumed 113,060 kilograms. The United States is the greatest pork producing country in the world. Where were we at in '95?

France, Germany and Belgium continue to absorb more than two-thirds of the wool of the Argentine Republic. France, indeed, taking as much as both of the other countries together.

THE PRESIDENT'S PLAIN DUTY.

The Prussian Minister of Finance having issued a decree prohibiting the importation of American fresh fruits without having given any previous notice to our Ambassador, has clearly violated the provisions of the treaty with Germany, although the pretext is made that the prohibition is owing to sanitary reasons, and not on account of competition and Agrarian pressure.

It seems that whenever they do not want our hogs over there, they find trichinae in them; as soon as our cattle are not wanted, "Texas fever" is found to prevail with them, and the moment our apples flood Germany and become so popular as to crowd the native product in the markets and out of them, they find bacilli and vermin on the same.

There is not the slightest doubt in the minds of American exporters at whom this shot has been fired without warning, that this is a new pretext to keep out American goods from Germany, the same as "trichinosis" and "Texas fever" were. It is time that the Agrarian influence which predominates in the German parliament and permeates all branches of the government be met with, and the President's duty is entirely plain in the matter.

Under the act of 1890 he has the authority to meet just such a case of unjust discrimination as this, and he should by proclamation, levy a duty on German wines, sugar and manufactured goods, which would make the importation of these goods prohibitive for the time being. We could not object to high duties being levied upon American goods by Germany. That is every country's right and duty towards her own citizens. We ourselves have set the example to other nations. No country, however, has the right to exclude under some false pretext, the import of staple products of another country, with which she is at peace, solely because those commodities compete sharply with her own products.

Our Ambassador at Berlin has acted promptly, and the President, we are sure, will not be less watchful of our interests. A navigation bill is now before Congress. A discriminating duty against German ships might bring the Agrarians to their senses and help the German importers and American exporters alike.

COTTONSEED OIL IN FRANCE.

France is again experiencing a tariff agitation. The Minister of Commerce and the Premier were visited by a delegation of olive oil manufacturers on the 21st of January and asked to increase the duties on foreign oil and oil seeds, especially American. The Minister promised to take the matter under advisement. The president of the Customs Committee of the Chamber of Duties, M. Graux, stated that America was "swamping" the European markets with cheap oil seeds and oils, thus causing a break in the value of industrial securities. Consequently, to quote him, "the interests here represented were joining with the agriculturists and demanding that measures be taken to increase the duty on American oil and oil seeds. The United States cannot object to an increase on the duties when they themselves impose a duty equal to 73 francs on olive oil while we only ask a duty of from 20 to 25 francs." This statement discloses the facts of the case. Olive oil is used chiefly in food products. American cottonseed oil is offered as a cheap and harmless substitute. That it is a satisfactory substitute is proven by the break in industrial securities, which latter is obviously due to a break in the price of olive and other vegetable oils. The producers of oils therefore ask that the government put on a duty so that they can get higher prices from consumers of oils. Here we have it in a nut-

shell. The French producers are being swamped, not the consumers, who greatly appreciate this kind of "swamping," as it cheapens this particular food product. The French government is asked to deprive the consumers of the benefit of cheap American oils for the advantage of the producers. If governments would only think of that golden rule, "the greatest good for the greatest number," how easy would tariff problems become! All these vexatious questions would be at rest forever and the people of all countries would be much better supplied with the necessities, comforts, and luxuries of life.

Here is another phase of this particular tariff question: Cottonseed oil enters into many articles manufactured in France, notably soaps and food products. High-priced oils mean higher prices for these staples, so if this higher duty be added it will make it more difficult for French producers to compete in the markets of Europe with countries that admit our oils at a lower rate. This is a very important consideration. Has the French government thought of it?

DISTRIBUTION, NOT RESTRICTION.

Restricting immigration into this country means a restriction of consumption of meats and other food products. Have our packers and butchers ever thought of this? What we want is not restriction of desirable immigration but a proper distribution of same. There are large tracts of land in the West and in the South which can stand immigration of the working and consuming classes. We are not yet over-populated.

**BUY YOUR REFRIGERATING
MACHINES NOW.**

We do not believe that there is a progressive packer or a butcher with a business large enough to warrant it, who is not by this time convinced that he cannot get along properly in his business without the use of a refrigerating machine, commonly called ice machine. The advantages of a good refrigerating machine are so many and are so well known that it is hardly necessary to enumerate them. The absence of moisture, (the great creator of rheumatism), the uniform temperature, with a possibility of controlling same, the saving of room and, last, but not least, the independence from climatic influences are sufficient inducement for the installation of an ice machine in every paying business. When we consider that less than 25 years ago it was a common saying that a machine would cost as many thousand dollars as it represented tons of refrigeration, so that a ten-ton machine would cost \$10,000, and when you know that competition and other influences have brought these prices down to the level that a machine is within reach of nearly everybody, then you will not longer consider the advisability of purchasing a machine. Do not believe that while it is cold in winter, it will not be hot in summer. You will then be looking around for a machine and will pay a higher price than you would pay now. While the cool weather lasts the installation of an ice machine in a packing house or meat market is comparatively an easy matter because there is no risk then of spoiling your goods when opening the doors of your refrigerator or chill rooms. It is necessary when you install a machine that the pipe-fitters enter your boxes and leave the doors open, which, if done in summer, imperils your goods, while if done in winter or early spring will not entail any loss upon you. Now is the proper season to look around for an ice machine and to install it before the warm weather comes. The best ice machines are built in this country, and the ones most adapted to use in packing houses, are advertised in the columns of this paper. We shall be pleased to furnish to our readers any further information on the sub-

ject and we hope that they will take our advice and look around before it is too late. The best machine is the cheapest. You should take a machine from builders who will give you ample guarantees that it will do the work that you require, and any good concern will not hesitate to give such guarantees. But buy your machine now and get it in.

TO SETTLE OLEO SUITS.

The members of the Mercantile Exchange, in New York, Feb. 3, decided by a majority vote to recommend that the State compromise its suits against Armour & Co. for alleged violation of the oleomargarine law, for \$20,000, the terms offered by the firm. A meeting was called about two weeks ago to protest against such action, but was not held, and in the meantime information was disclosed showing that the cases were from a legal point of view very weak.

The suits in question cover violations alleged to have occurred in 1894. The suits aggregate \$2,300,000 for the State, of which \$1,700,000 was claimed to represent violations occurring in the metropolitan division. The suits had been pending for over two years, when recently Armour & Co. made the offer of \$20,000 to compromise, the State being authorized by law to entertain such proposals. In the meantime the oleo law had been amended, so that instead of imposing a fine of \$100 for each offense the fine is now "not to exceed \$100 for each offense." It is claimed that Armour & Co. would, in case of a conviction, have the benefit of the milder penalty, and that consequently the amount involved in the suits might be greatly lessened. On this account several members of the Exchange were in favor of compromising, though the principal reason for the adoption of the resolutions appeared to be the lack of actual proof. The fact that Armour & Co. agree to cease the sale of imitations of butter is also regarded by some as a partial victory, as this result has been deemed of more importance than the enforcement of a penalty. It is generally stated, however, that Armour & Co. ceased shipping oleo into the State some time ago.

The monthly report of the Union Stockyards and Transit Co., Chicago, shows an increase in the amount of business over the month of January, 1897. The receipts by cars numbered 23,958, as compared with 23,337 in 1897, an increase of 621. Shipments of cars showed an increase of 400, being 5,879 last month and 5,479 in January, 1897. The largest increase in the number of animals received during the month, as compared with last year, was in sheep. There were 319,799 received last month, and 272,966 in 1897, an increase of 46,833. Cattle receipts increased 24,788 head, 213,987 being received this year and 189,199 in 1897. The number of horses received last month was 11,373, as compared with 9,206 in 1897, an increase of 2,167. Calves and hogs dropped off, 292 fewer calves and 6,659 fewer hogs being received than during January, 1897; 5,817 fewer hogs were shipped, so the number kept at the yards was not materially lessened from last year.

Winnipeg, Manitoba, is going to have a new abattoir and cold storage warehouse. Messrs. Gordon & Ironsides contemplate building it as an addition to their already large plant. The abattoir will have a capacity for slaughtering 1,000 cattle a week.

—The cold storage warehouse of Lawler, Cavanaugh & Co., of South Troy, N. Y., is rapidly approaching completion. The firm expects to be ready for operation in about five weeks.

PROVISIONS AND LARD.

WEEKLY REVIEW.

All articles under this head are quoted by the lb., except lard, which is quoted by the cwt., in tallow and beef by the bbl. or tierce, and hogs by the cwt.

MORE ACTIVE, HIGHER MARKETS— BETTER OUTSIDE BUYING—FEWER HOGS THAN EXPECTED—CHICAGO STOCKS ENCOURAGING.

For a brief spell early in the week it looked as though there was an effort to get rid of some of the long stuff, both on the part of the packers and outsiders, yet it was noticed as well that the offerings were not large, while so far as concerns the amounts that were pressed by the packers the inference was that exertions were directed more to prevent any material advance in prices than in forcing a downward movement, that there was then as well some apprehension that the supplies of hogs would prove larger, while there was the material desire to keep their prices from being influenced by any stronger tendency of the products. It was easy at that early period of the week to bring about at times even slightly lower figures, as buyers generally were cautious, while there was then more or less weakness in grain, with an evident disposition all around to get more definite views as to the immediate supplies of hogs, the prospects of deliveries on contracts with the turn of the month, and perhaps more than all clearer views of the Chicago stocks. It developed later in the week that such contract deliveries as were made could be easily taken care of, that the shipments of hogs were likely to run if a conservative order, and that the stocks at Chicago had shown a comparatively small increase and were generally under expectations; also that the outlets for the productions to export and home trade sources had not recently fallen off to the extent that had been regarded as probable. Therefore at the middle of the week there was a resumption of speculative buying, marked on the part of the outsiders, which swept all easy figures away, and carried prices rather sharply upward. The position looks more encouraging than in some time, and it is regarded as probable that except for occasional small reactions that the general tone of products are upon a secure basis. There had been some desire only a few days since to shake out the long interest under the belief that the entire situation could be grasped for stronger prices. It is of course a little uncertain as to how much of an advance the position could stand and keep alive export demands to the limit necessary. There has been no question but that the export movements have kept up latterly, under the rather steady rise in prices, remarkably well, and in as satisfactory volume as looked for, although they have not reached the enormous amounts earlier in the season. But the diminished movements as compared with some of the remarkably large shipments a few weeks since would probably have followed in corresponding degree in any event, and the higher prices are hardly accumulative for that. It seems to be the impression that prolonged strength to the position may invite even more confident buying on the part of the European markets, in the rapid marketing of the products for consumption in all directions abroad, and the belief there that there will be a good distribution of the products through the season as offering at current or even moderately higher prices the cheapest and most desirable foods, while these foreign sources would want to feel only that the prices were reasonably safe, without probability of decided reactions to buy more largely, while they would be especially more vigorous in their

operations if the course of affairs indicated a decided upward tendency. Thus, it has been in periods of pronounced confidence latterly that the shippers have taken larger lines of lard than in some time, and widening their operations in meats. The stocks of ribs at Chicago had increased less than a million of pounds for the month, with a hog packing that is close to that of the previous year for January, while most of the trade had been looking for an increase of about five millions of pounds; while the stocks of lard there were only 21,000 tierces greater for the month, and about 67,000 tierces less than at this time last year; while in Liverpool after the large shipments through last month the stock there is essentially the same as upon Jan. 1. This indicates that the supplies are passing rapidly into consumers' hands, and that re-supplies must steadily be had, while over the West the packers are finding their cash orders more extensive and calling for more liberal quantities, and that the outputs are throughout, to export and home sources, well up to any full calculations.

The arrivals of hogs are hardly exhibiting further loss of weight, but they are still that way in marked contrast with those of last year at this time, and the average loss of about 14 lb for January still shows in the supplies on offer. Outside, of the increasing cash movements in the products for the week on export account, which has covered United Kingdom orders more extensively as well as from the Continent, there have been wider orders from the South, Southwest and miscellaneous home consuming sources, which have been invigorated partly with the more promising look of affairs, but as well from the fact that many distributing points, especially those locally, had allowed their assortments to run down, and were either forced in for fresh supplies or were disposed to anticipate the possibilities of a firmer position. The fact that there has been a swinging about in the sentiment of outsiders from hitherto bearish ideas may not mean more than they regard the immediate prospects of the situation as favorable to some advance, and that they are in more for scalping operations to unload at once on possible reactions, and that their expectations are for not more than small profits, with which latter sentiment both the outsiders and packers have been operating essentially through the season. It has been quite decided, however, that any increased strength that has developed at times through this week has had a good basis in the situation of stocks and demands, and that buyers, both packers and outsiders, have simply followed the drift from healthy symptoms, while they could have swung the markets further upward if they had not felt restrained by the possibilities of hog supplies.

It would seem as though compound lard should soon feel the effect of the stronger prices for pure lard and its more active business; for some time the compound lard has been by its usual relation at a low price; the recent decline in cotton oil to close to its lowest price of the season enables the makers of the compound to put in on offer at a relatively cheap price, and there is plenty of it on sale at 4c. per lb, but there is a very conservative order of trading in it at present, with most of its usual most liberal consuming sources seemingly well supplied.

The New York market has been measurably brisk this week in some lines of goods. The enormous business that had been done for some time in bellies, chiefly with the English markets, with further full inquiries and well sold up supplies, has led to a further advance in prices for them. In hams and shoulders there is also more going on. There are few new buying orders from Havana, as that point is well filled up, probably for two or

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three weeks; however, some city lard has been taken as noted in the list of sales, and a few clear bellies at an advance of $\frac{1}{4}$ on recent prices. The lard refiners here are doing a comfortable amount of business with the Continent, and are getting better prices; there is also more of a trading here with English shippers in pure lard on direct shipments from the West, while the lard refiners here are taking up more lard in tanks; and about the only business in actual spot lard here is in small lots, and chiefly with pressers.

There were shipped out of Chicago the previous week 11,000 tierces hams, 47,000 pieces shoulders, 215,000 pieces hams, 165,000 pieces sides, of which latter 86,000 went South, and 8,500 tierces lard.

The Chicago stocks had increased only 21,000 tierces lard, and were 157,800 tierces, against 136,000 tierces Jan. 1, and 225,000 tierces Feb. 1, of last year; of ribs, the stocks were only about 800,000 barrels greater than last month, or 20,800,000 lb, while last year, Feb. 1, they were 26,800,000 lb. The stocks of pork there 93,000 barrels, against 82,900 barrels Jan. 1, and of sweet pickled hams 47,019,000 lb against 41,600,000 lb Jan. 1. In New York stocks were 17,927 tierces prime lard, 1,306 tierces off grade ditto, and 2,116 tierces stearine; total, 21,349 tierces, against 20,175 tierces Jan. 15. Of pork, the stocks were 18,627 barrels, old and new, against 18,739 barrels last month and 14,003 barrels Feb. 1, 1897.

The Cincinnati Price Current makes the packing for the week as 480,000 head, against 435,000 head corresponding week, last year.

The exports from the Atlantic ports last week were liberal of lard and nearly 4,000,000 lb beyond the amount of last year at the same time, and nearly up to the quantity then of meats; they added up 4,596 barrels pork; 15,475,627 lb meats; 13,354,465 lb lard; against, corresponding week, last year, 5,129 barrels pork, 16,339,065 lb meats, 9,407,371 lb lard.

The Chicago shipments last week were 3,089 barrels pork; 13,396,197 lb meats; 3,414,849 lb lard, against, corresponding week, last year, 4,678 barrels pork, 5,848,129 lb lard, and 11,320,415 lb meats.

In tierced beef there is further weakness to prices. Some of the best brands of city extra India mess could not be obtained under \$15.50, yet other lots have been bought in a limited way at \$15.25, and from this prices run down to \$14.50 for the good lots. These have been 600 tierces sold at \$15.25@15.50. The English shippers are spasmodic buyers, but at no time take more than limited quantities. The offerings of best grades are to a fair extent, but the inferior lots are not so plenty. In barreled beef there is a very fair jobbing business going on, and at well supported prices. The city extra India mess range from \$14.50@15.50; barreled beef quoted at \$8@8.50 for mess, \$9@10 for packet, and \$10.50@11.50 for family. In beef hams there is a very fair trading with smokers, with a firm tone to the market, with \$23 quoted for car lots.

The developed features on the several days of the week were as follows: On Saturday (Jan. 29), receipts of hogs at the West 51,000 head, including 27,100 head at Chicago; same day, last year, 35,900 head and 16,700 head, respectively. It was an unusually dull day, with little variation in prices. The opening was quiet and well sustained, although the receipts of hogs were beyond those estimated. It looked as though buyers were ready to take hold at any break in prices, and that they anticipated a decline with the then coming week, an expectation of larger hog supplies, through the better condition of the roads. It was expected that Chicago would have receipts of hogs on Monday of 40,000

head, and that its receipts for the entire week would be 175,000 head.

On Monday, receipts of hogs 81,000 head, including 40,000 head at Chicago, against 74,000 head and 25,000 head, respectively, last year. The products opened rather easy, but a decline of only 2 points on ribs; from this there was a weaker tendency, and the close was 10 lower on pork, and 2 to 5 points on lard and ribs. The receipts of hogs were fairly liberal and about as expected, while the outsiders were holding off expecting further declines. The position was held up more by the packers, with the impression as held outside that an opportunity was wanted to dump some of the liberal holdings made through the recent steady advance, and which show a fairly good profit. The outsiders sold as freely as possible. It looked as though Cudahy was selling lard and Swift selling ribs. The Chicago Packing Co. supported ribs a little at the decline. An easier grain market had something to do with the weakness.

On Tuesday receipts of hogs at the West were 77,000 head, including 30,000 head at Chicago, with prices 5 lower; last year, same day, receipts 76,000 head and 29,300 head respectively. The products opened steady and unchanged, and closed 10 lower for pork and 2@5 points for lard and ribs. The packers were selling and the scalpers generally were bearish. The desire was throughout to realize and take in profits if possible without breaking the market much. Yet at the same time the offerings were mostly of small lines. Crittenden tried to buy ribs, and found few on offer. But the market had no support. Armour was a buyer, while it looked as though Cudahy was trying to lighten his long holdings which showed a profit.

On Wednesday receipts of hogs at the West were 83,000 head, including 30,000 head at Chicago; corresponding day last year 77,500 and 33,800 head respectively. The products were sensitive to the smaller stocks at Chicago than looked for, and after opening 2 higher, advanced sharply and closed at a rise all around of 17@27 for pork, 7 to 12 points for lard and 15@17 points for ribs, with the most active market in a long while. Outsiders were the chief buyers, and the packers, to some extent, were fighting the advance. Cudahy and the English contingent were good buyers. Baldwin-Gurney good buyer of ribs and Wolff and the Anglo large buyers of ribs and lard. The receipts of hogs were less than expected.

On Thursday the opening Chicago market was strong, and there was soon a further advance of 17 for pork and 2@5 points for lard and ribs, after which pork lost 10 and lard and ribs held up very well, while there was a subsequent reaction on pork to the best prices. The outsiders were more interested as buyers than the packers, and it looked as though the packers could not stop the advance if they tried to. The outside sentiment was of higher prices. Cudahy sold a few ribs, and there was some selling by Swift, but the other packers were not offering much.

Prices throughout the week were on Saturday (Jan. 29): At Chicago—Pork—January opened and closed at 9.80; May opened at 9.97@10.00, sold at 10.02, closed at 10.00 asked; July closed at 10.10 nominal. Lard—January opened at 4.80, closed at 4.80@4.82; May opened at 4.90, was 4.87 bid, closed at 4.87@4.90; July opened at 4.95, sold to 4.97, closed at 4.97. Ribs—January closed at 4.90; May opened at 4.90@4.92, sold at 4.90@4.92, closed at 4.92 asked; July opened at 5.00, closed at 5.00 asked.

On Monday, at Chicago: Pork—January opened at 9.72, sold to 9.80, closed at 9.80; May opened at 10.00, declined to 9.87 bid, closed at 9.90 bid; July opened at 10.00 asked, closed at 10.00 asked. Lard—January opened at 4.77 nominal, eased to 4.75, closed at 4.75

nominal; May opened at 4.87, was 4.90 asked, declined to 4.82 bid, closed at 4.82@4.85; July opened at 4.97, declined to and closed at 4.92. Ribs—January closed at 4.85 nominal; May opened at 4.90, was 4.92 asked, eased to 4.87, closed at 4.87@4.90; July opened at 4.97, sold to 5.00, eased to 4.97 asked, closed at 4.97 asked. In New York Western steam lard was 5.05 asked; 3 tanks were sold at 4.75; 75 tcs. city steam sold at 4.75; refined at 5.30 for Continent, 5.75 for South America, 6.90 for ditto, kegs; compound lard at 4. Of pork, sales of 150 bbls. mess, in lots, at 9.75@10.00; family mess at 10.25@11.25; short clear at 10.00@11.75. City cut meats show a decided advance for bellies on the recent large business; sales of 35,000 lb at 5 $\frac{1}{2}$ for 12-lb loose, closing with 5 $\frac{1}{2}$ bid and 5 $\frac{1}{2}$ asked; 5% for 14-lb average, with 6 asked for 10-lb average; 200 boxes clear bellies at 5 $\frac{1}{2}$; 20,000 lb fat backs, in boxes, at 5; hogs at 5@5 $\frac{1}{2}$; 2,000 pickled hams at 7@7 $\frac{1}{2}$; 1,100 pickled shoulders at 4 $\frac{1}{2}$ @4 $\frac{3}{4}$.

On Tuesday, at Chicago: Pork—February closed at 9.70 nominal; May opened at 9.90, sold to 9.95, back to 9.77, closed at 9.80 bid; July opened and closed at 9.90 nominal. Lard—February closed at 4.72 nominal; May opened at 4.82 bid, sold to 4.85, back to 4.77, closed at 4.80 asked; July opened at 4.92, sold to 4.95, back to 4.87, closed at 4.87 bid. Ribs—February closed at 4.72 nominal; May opened at 4.87, sold to 4.90, back to 4.80, closed at 4.82@4.85; July opened at 4.97, sold off to 4.90, closed at 4.92 nominal. In New York Western steam lard was offered at 5; sale of 2 tanks at 4.70. There were 1,750 tcs. Western steam bought on through freight to Liverpool on p. t. The Cuba steamer will take out about 600 tcs. of city steam, bought at 5.10. City steam to the refiners sold at 4.75 for 80 tcs.; refined at 5.30 for Continent, 5.75 for South America; 6.90 for ditto, kegs; mess pork in job lots at 9.75@10.00. In city cut meats, sales of 8,000 lb pickled bellies, 12-lb average, at 5 $\frac{1}{2}$ @5 $\frac{3}{4}$, and 6,000 lb ditto, 10-lb average, at 5 $\frac{1}{2}$; hogs at 5 $\frac{1}{2}$ @5 $\frac{3}{4}$.

On Wednesday, at Chicago: Pork—February closed at 9.97 nominal; May opened at 9.82@9.85, sold up to 10.10, closed at 10.07; July opened at 9.90, then sold at 9.87, up to 10.20, closed at 10.17 nominal. Lard—February closed at 4.82 nominal; May opened at 4.80@4.82, sold at 4.80, up to 4.92, closed at 4.90 asked; July opened at 4.90, sold up to 5.00, closing at 5.00 asked. Ribs—February closed at 4.95 nominal; May opened at 4.87@4.87, eased to 4.82 bid, sold up to 5.02, closed at 5.00 asked; July opened at 4.97, eased to 4.95, advanced to 5.10, closed at 5.10 asked. In New York mess pork, in job lots, was advanced to 10.00@10.25, and fully 600 bbls. taken by exporters. Western steam lard was offered at 5.05 on the spot; sales of 4 tanks at 4.72@4.77 $\frac{1}{2}$; refined at 5.35 for Continent; compound at 4@4 $\frac{1}{4}$. In city cut meats, sales of 1,200 pickled shoulders at 4 $\frac{1}{2}$ @4 $\frac{3}{4}$, 1,600 pickled hams at 7@7 $\frac{1}{2}$ and 12,000 lb pickled bellies at 5 $\frac{1}{2}$ @5 $\frac{3}{4}$ for 12-lb average, 5% for 14-lb average.

On Thursday, at Chicago: Pork—May opened at 10.10, sold up to 10.25, back to 10.15, closed at 10.20; July opened at 10.30, eased to 10.25, closed at 10.27. Lard—May opened at 4.92@4.95, was down to 4.90, closed at 4.92@4.95; July opened at 5.02, sold at 5.00, closed at 5.02. Ribs—February closed at 5.00; May opened at 5.05, sold to 5.07, closed at 5.05; July opened at 5.15, eased to 5.12 bid, closed at 5.12@5.15. In New York, Western steam lard on the spot was held at 5.10; sales of 75 tcs city steam at 4.80; refined at 5.35 for Continent, 5.75 for S. A., 6.90 for ditto, kegs; compound offered at 4. Mess pork, in job lots, firm at the advance of the day before to 10.00@10.25, and sales of 150 bbls. In city cut meats, sales of 1,000 pickled shoulders at 4 $\frac{1}{2}$, 1,600 pickled hams at 7 $\frac{1}{4}$ @

EUROPEAN ADVERTISEMENTS.

(SEE PAGES 14 AND 45 ALSO.)

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7½; pickled bellies, 12-lb average, at 5¼ bid and 5½ asked; ditto, 10-lb average, at 5¼@6; ditto, 14-lb average, at 5½; hogs at 5¼@5½.

Provisions were to-day (Friday) momentarily easier at the opening at Chicago, when pork sold off 5¢/7, and lard and ribs 2¢/5 points, from which there was a good development of strength and an advance of 15¢/17 for pork and 7¢/10 points for lard and ribs. There was no inclination to let go on breaks, while there was good support afterwards given in the buying of outsiders and packers. The scalpers who sold early quickly paid more to get the stuff back. Armour bought some pork, and the English packers were trying to buy ribs, while there was some disposition to buy July lard by Cudahy's brokers. The receipts of hogs continue rather moderate, although better weather for shipments would bring supplies of the swine forward more freely. The receipts of hogs at the West 61,000 head, including 22,000 head at Chicago; same day last year, 56,000 head and 22,000 head respectively. The world's visible supply of lard was 429,189 tes., against 370,224 tes. Jan. 1, and 545,542 tes. Feb. 1, '97. The gain of 58,965 tes. for the month indicated an increase of 17,500 tes. afloat and in Europe.

At Chicago: Pork—February closed at 10.17; May opened at 10.15, eased at 10.10, sold up to 10.30, closed at 10.27; July opened at 10.20, sold at 10.17, up to 10.37, closed at 10.37. Lard—February closed at 4.90; May opened at 4.90, sold to 4.97, closed at 4.95@4.97; July opened at 5.00, sold to 5.05, closed at 5.05 asked. Ribs—February closed at 5.05 nominal; May opened at 5.00, sold up to 5.10, closed at 5.07@5.10; July opened at 5.10, went up to 5.17 asked, closed at 5.17 asked. At New York, mess pork in job lots sold at 10.00@10.25 for 300 bbls. Western steam lard at 5.15, city steam at 4.85 for 75 tes.; refined at 5.40 for Continent; compound at 4@4½. Hogs at 5¼@5½. In city cut meats, sales of 17,000 lb pickled bellies, 12-lb average at 5¼@5½, 12-lb ditto at 5¼, 14-lb ditto at 5¼; 900 pickled shoulders at 4¼@4½, 1,600 pickled hams at 7¢/7½.

TALLOW AND STEARINE. WEEKLY REVIEW.

All articles under this head are quoted by the lb. except animal oils, which are quoted by the gallon all in packages.

TALLOW.—Perhaps the best exhibition of the want of confidence, or, at least, a dismissal of the views that were entertained that tallow was good property for export markets, however the more restricted home trading in it, and a doing away of the idea that the foreign sources could be depended upon to take our surplus offerings at once, was when there was an unloading of some large lots at the West at the close of last week that have been bought with the general idea that both the English and Continent markets would become freer and steady buyers, and that tallow would in consequence have added strength. The unloading of these large lots at Chicago, it is said here, are in part at a loss of ¼c. per lb, and they included 3,500 tierces at 3¼@4¼, of which 1,000 tierces were tallow stearine at 4, while they were mainly taken up by one soap house there. These dealings, however, left the Chicago market better able to protect some of the outside lots, while where there was a further disposition to pay 3¼ for the best packers' grade, it found 4c. asked. It cannot be said that the conditions all around, West or here, have in anyway shaped for the better. We look upon the position as an uncertain one, to say the least of it, while that it does not give promise of coming out of the dumps right away. The trouble is that the export demands are not materializing, and there is beginning a suspicion that the foreign markets may get along closer on other fats, and that it would have been better to have let the Englishmen and the Continent buyers have had the goods at the time recently when they were ready to take hold. It must be recollected that cotton oil is very cheap; that it is displacing more than usual of late years in certain channels of consumption, the usual extensive use of tallow; that the West not only is absorbing it more liberally, but that where foreign demands at present exist for cotton oil, they are almost entirely for the soap grades, and that these cotton oil soaps are being taken more largely this year for use not only in American, but in essentially all foreign markets. In an all around consumptive way, it means considerable against the consumption of tallow, but to just what degree and effect, the tallow trade do not feel that they can at present figure approximately. Suppose there is less tallow this year than in the previous season, there is without question a more abundant offering of other fats, while tallow is now higher than then; while cottonseed oil is much cheaper and of marked advantage that way to the consumer to inducing his prompt and liberal attention to it. Of course, there are people with the belief that the foreign markets must show freer wants of our tallow supplies before long, since a certain amount of tallow must be had, and the indications are that Australia is not likely to meet fully the requirements, but just at present there are no signs that they will become near buyers in a material way. There is just a little going on with these foreign sources, but wholly in choice out-of-town goods in tierces, of which moderate quantities have been taken at 3¼. For

city in hogsheads, exporters would pay to-day 3¼, but they could not find sellers under 3¼, and some of the melters would not sell at 3¼. One large melter has accumulated about 700 hogsheads city of fresh-made goods, and has besides about 2,000 hogsheads of old that has been carried along for some months, which latter, however, as it will not come upon the market in the near future, is out of consideration as an immediate influence; substantially the other 700 hogsheads may be held as well unless the course of the market shapes better, and if a 3¼ or an easier market should prevail to the close of this week there would be then only about 300 hogsheads city to sell outside of the 200 hogsheads that go in on contracts weekly to the home trade at the market. It is a most unsatisfactory situation, so far as concerns the home demands, else the moderate offerings now each week would enable a well supported market. But the home soap consumers are working along on their old accumulations in connection with the little country trade stock they are inclined to pick up, and hardly show themselves on 'Change nowadays, contenting themselves with looking over samples, as they are shown at their offices, in the desire they have of narrow buying only. The soap trade is distinctly dull in New York, much more so than usual at this time of year, even with export markets that are usually depended upon, and there is emphasized more and more, as apart from the consideration of the shipping business, the wider field that the miscellaneous cottonseed oil soaps, which are mainly produced at the West and the South are occupying with consumers. The country made tallow arriving here is in little freer volume and going at variable prices as to quality; there have been 325,000 lb taken for the week at 3¼@3½, packages free. In edible tallow after the large sales last week at 4¼, in tierces, has been further taken this week to the extent of 200 tierces at 4¼@4½, and is further offered at 4¼. The London sale on Wednesday was represented as unchanged generally, and some grades at 6d. decline, but it was believed to have shown practically the prices of the week before. On Thursday city was still offered at 3¼ and neglected, while about 200 hogsheads will go in on contracts for the week at 3¼. (For a later report of the tallow market up to Friday night, see page 42.) There have been further sales in Chicago of 1,500 tierces best packers' grade at 3¼@4. At Chicago quotations for prime packers' is 3¼@4, No. 1 city renderers' 3¼@3½, No. 2 ditto 3¼@3½, No. 1 county 3¼@3½, No. 2 ditto 3¼@3½.

OLEO STEARINE.—There has been a little more eagerness to accept the basis of the sales of the previous week, or 4¼, yet not all of the pressers will sell at that, while determined to hold to see all there is in the possibilities of a higher market and the deductions they are making of compound lard being benefited by advanced prices for pure lard. Besides, as some of the pressers say, "Suppose that compound lard does not advance at once in price the refiners are making more money out of it. Since they are getting cotton oil at a low price, while our fat costs a high price by comparison with the price of the stearine, and we ought to get more money for our stearine product; moreover, we expect to if pure lard further advances materially in price and the refiners in consequence see a chance

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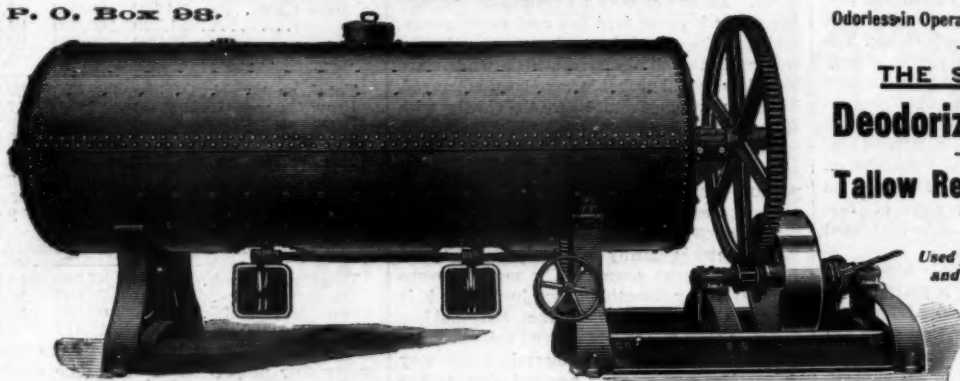
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of putting up the price of the compound." Just now the refiners when they can get the stearine at 4½ take it up, but they are in no way anxious, although feeling that they can more promptly meet that price this week because cotton oil is cheaper. They bought 100,000 lb at 4½. There is no large accumulation here, as most of the pressers have met readily all demands for some time, and these wants have about equaled in extent the production of the pressers ready to sell, while the firmer holding is more in an instance. The out-of-town markets are also rather closely sold, as they have had more of a local trading there, although some parcels could be obtained at 4½, delivery here. The Chicago market is making more of an accumulation, and is feeling more the general weakness on fats, as outside of lard, which latter in its stronger position toward the close of this week ought to counteract the tame influence; there are sellers there at 4½.

LARD STEARINE.—There is absolutely nothing going on here. There is just enough business in refined lard to urge the refiners to using up their own productions, and they are hardly in the market beyond these. The West is using up its own makes and is not offering to sell here. The city pressers get an occasional export order, and figure upon its price to correspond with the cost of lard. It might be difficult to buy Western under 5½@5¾, and possibly sales of city could not take place over the outside price, although there are some special lots that could not be reached under 6. But prices are clearly not well established on the present inaction.

GREASE STEARINE.—Corresponds with other fats in exhibiting a temper of dullness and uncertainty over prices. There is nothing of an important order concerning export wants, and there is hardly material home trade interest. Of course, the supplies are accumulating some, but they are not believed to be large. The disposition among sellers is to await until there are more decided features to show the drift of tallow and general fats before coming down from recent held views over prices, although feeling that it would not be possible to sell at present except at a decline. At Chicago there had been a resale of 1,000 tierces bleached stearine at 4, which was a decline of ¼. Quotations are 3½@3¾ for white and 3¾ for yellow, while at Chicago 3¾@3½ quoted for white and 3¾ for yellow and tallow stearine at 4.

OLEO OIL.—There was a slight recovery of prices this week at the Dutch markets, in that the recent outside rate was obtained, while buyers were more interested and larger lots were taken up. The increased lift to the trading there was probably stimulated by the previous week's showing of the provision markets in this country in their hardening and livelier tendency. Some of the best brands of the oil were taken up close to the offerings. The reaction in the tone of the provision markets here early this week had no adverse effect since there was a quick reaction in them to higher prices. Buyers in the Dutch markets would naturally become quieter after their full buying, while at the same time the supplies on offer would be much reduced. On Monday there were sales of 1,500 tierces reported from Rotterdam, of Morris extra, Swift's extra and United, at 36 florins, which was a recovery of a florin; on Tuesday sales of 600 tierces reported at 36 florins for best brands; on Wednesday sale of Harrison at 36 florins. New York prices are No. 1 at 6@6½, with low grades at 4½@5½.

LARD OIL.—There is not as much going on with the manufacturing interests as a fortnight or more since, yet a fairly good business nevertheless. Many of the largest consumers had stocked up very well, and they are now

buying in a more conservative way. The dealers have been to a fair extent for re-supplies since they have not found prices further against them, and united to the miscellaneous wants of consuming sources a fair number of parcels have been closed out. The low grades are taking more attention than latterly, while any loss of trade by comparison with the recent exhibition of business has been in prime stock. There has been no trouble in supporting prices because lard has cost more money, while if there had been the activity in the trading in the oil observed a little while since its prices would probably have been advanced. The sales range from 40 to 43, chiefly with 42, as outside, and most of the Western at 40.

GREASE.—Trading is almost at a standstill, at least, it is distinctly dull on any important quantities, and in that respect it conforms essentially to the developments on tallow, so far as concerns home trade wants, while there is hardly a showing of interest from any export source. The market seems to be awaiting something, but just what it is proves a puzzle. It is a fact that holders feel that they might just as well ask one price as another until trade is determined one way or another, and on that account close to the old figures are retained. But if there was any attempt to sell a decline would have to be accepted. The entire trade is surprised at the backwardness of the home demands, although these alone would hardly prove sufficient to support the market. That the consumption of all fats by the local soap trade has fallen off seems to be clear in its long holding off, and it looks as though exporters will be depended upon chiefly if prices are to be sustained. There is a very fair supply here of most grades of greases, yet it would not prove excessive if demands were of an ordinary character. The Western markets appear to be in corresponding dull condition. We regard the position of all fats as decidedly more in favor of buyers this week if there was a disposition to test the sentiments of sellers. Quotations in New York: A white at 3½@3¾, B white at 3¼@3½, yellow at 2½@3, bone at 3¼@3½, brown at 2½@2¾. At Chicago: A white quoted at 3¼@3½, B white at 3; yellow at 2½@2¾, brown at 2¼@2½.

CORN OIL.—The makers at the West have been so freely delivering on contracts that they have not made a surplus holding to an extent to provoke them over urging a market, and the disposition is to hold strong prices. In fact, the advanced rates that have been held latterly have narrowed the interest of export markets, especially when the cost of freight room is considered. Therefore, the trading is in a small way at present, and mostly in the small lots needed for home use. The advices from the other side say that the consumption of the oil is considerable, and that there is a probability of further liberal wants to its offerings. Prices are just now too unsettled to quote as closely as usual. They range from 3.00 up to even 3.50 for small lots.

(For Later Report see Page 42.)

STOCKS IN LIVERPOOL.

	Feb. 1 '98.	Jan. 1 '98.
Bacon, barrels	11,700	11,000
Hams, boxes	5,100	5,100
Shoulders, boxes	3,500	2,000
Cheese, boxes	130,800	138,900
Butter, packages	5,600	7,500
Lard, tierces	48,000	48,000

STOCKS IN NEW YORK.

For report of stocks of pork and lard in New York on the 1st inst., see our regular report on Provisions and Lard, on page 10, in this issue.

KANSAS CITY LIVE STOCK REVIEW.

The live stock records for past week give hogs higher, cattle and sheep fairly steady. Receipts, with comparisons, as follows:


	Cattle.	Hogs.	Sheep.
Kansas City	36,383	80,905	17,071
Same week, 1897..	34,018	67,449	19,419
Same week, 1896..	22,559	49,528	14,593
Same week, 1895..	26,071	55,774	20,326
Kansas City	36,400	89,900	17,100
Chicago	51,700	169,600	94,300
Omaha	12,000	30,000	22,200
St. Louis	19,200	33,000	5,700

Total, past week..	119,300	322,500	139,300
Previous week ..	108,000	322,900	117,300
Same week, 1897..	98,900	281,800	102,200
Same week, 1896..	90,900	212,500	88,800

Kansas City packers' slaughter:			
Armour Pkg. Co...	6,623	46,314	5,572
Swift and Company	5,890	19,079	5,395
S. & S. Co.....	6,551	2,408	2,936
Dold Packing Co..	789	8,366	272
Fowler, Son & Co.	136	11,171	..

Total, past week..	20,324	87,580	14,231
Previous week ..	18,586	322,900	12,273
Same week, 1897..	16,798	63,863	13,782
Same week, 1896..	11,932	45,411	9,535

CATTLE.—During the week there was a pretty fair proportion of the cattle received purchased by the exporters at fairly good prices. On Monday the top price for 1,507 lb average was \$4.90; on Tuesday several bunches of 1,535 lb average went at \$5, and the climax of the market reached on Wednesday, when 1,524 lb average sold as high as \$5.10. The balance of the week the exporters claimed that the offerings were not as fancy, but the true cause that other markets were lower than ours, therefore they bore down on prices and 1,625 lb average sold on Thursday at \$4.90, and some 1,525 lb average sold at the same price on Friday. As usual no market on Saturday. The plain style of cattle, of medium flesh were heavy on the market for most part of the week and at the close lost fully 15 to 20c. per 100 lb in value. Cows and heifers at the early part of the week were in very good demand, but the heavy weights suffered toward the close of the week. Some 1,245 lb average cows sold at \$3.85; some 1,040 lb average at \$4, but toward the close of the week heavy average were surely from 25 to 30c. lower. Heifers were in good demand; sold 1,020 lb average, going at \$4; the highest price paid for the week, a bunch of 1,090 lb average at \$4.25. Some light bulls of 800 lb average sold at \$3.90, but the highest price paid during the week for 1,580 lb average, \$3.70. During the week some 140 cars of Southern cattle were received, going into the Quarantine Division. Some 1,164 lb average Texas steers sold at \$4.10; some 1,131 lb average at \$4.12½, the highest price during the week on Quarantine cattle. Some 928 lb average Texas cows sold at \$3.10. The fed Texas, from Kansas and other points, were in fair supply. A bunch of 289, averaging 1,150, sold at \$4.25, but quite a number of them sold at the figure of \$3.80. The highest price for the week for some 1,212 lb average, \$4.40. Fed Texas cows of 1,127 lb average tipped the market at \$3.25, the highest price for the week. Some Western steers went neck and neck with native cattle; some 1,515 lb average Western steers sold at \$4.65. A bunch of cows of 851 lb average went as high as \$3.45. A bunch of spayed Western heifers of 1,290 lb average were sold at \$4.10. Colorados met with a ready sale, a good many changed hands at about \$4.35. The highest price for the week of 1,480 lb average \$4.80. Some cows of 850 lb average went as high as \$3.50. A bunch of 79 New Mexican steers of 1,112 lb average sold at \$4.15. Some Idaho steers of 1,773 lb average sold at \$4.30. A lot of Arkansas steers of light average, about 800 lb, sold at \$3.20, while some heifers of 706 sold at \$3.40. The weather had a bad effect on the feeder trade; the speculators




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were disheartened with last week's transactions and had not the same spirits in taking hold, as the country demand was rather limited, but when anything of a good character was offered, there was always some buyer that would take the bunch. In fact, some Western fancy grades, 120 of them, averaging 817 lb, sold as high as \$5, and during the week a good many bunches changed hands at this figure; it was the "no-character" offerings that suffered. Reports still come from the West that the cattle on the ranches and plains are doing very well, as yet the storms have not been heavy enough to do any serious damage, and owing to the care and attention now given by the herdsmen, they expect to come out in very good shape in the Spring. Pastures are reported very fine. The outlook is very promising. During the past week the stockers and feeders shipped 321 cars, against 276 cars for previous week, against 318 cars for corresponding week one year ago. During the past week the exporters shipped to the seaboard 137 cars, against 109 cars for the previous week, against 178 cars for corresponding week one year ago. The outside purchasers of cattle as follows: Eastmans, 841 head; Cudahy, 580; Krauss, 382; Swift, 516; Hammond, 331; Ackerman, 305; Schwarzschild, 208; Balling, 198, and Kaufman, 92 head.

HOGS.—Kansas City has decidedly broken her record in receipts of hogs during the month of January. Receipts will go over 375,000 for the month, and it is most remarkable that the shipment to outside parties have been the smallest in January for some time past, showing that the Kansas City packers are fully able to take care of all offerings; and the Armour Packing Co. alone purchased 43,000 hogs during the past week making a new record for themselves. During the week the market on top hogs was rather erratic, but taking all through the week the prices on the bulk of hogs pretty fairly steady, except on Friday and Saturday, when the larger receipts than heretofore on such days were received; the packers took advantage of the same to the amount of a nickel. Top hogs went Monday at \$3.80; on Tuesday, \$3.87½; capped the climax on Wednesday when top price paid was \$3.90; on Thursday, the other markets showing no such corresponding price, the top offers were at \$3.85, and on Friday and Saturday the packers were able to purchase tops at \$3.80. The bulk of the hogs on Monday went at \$3.65@3.75; on Tuesday and Wednesday from \$3.65@3.80; on Thursday, \$3.65@3.67½, and for the other two days of the week \$3.60@3.70, at which the market closed with a very good clearance. Pigs were higher at the commencement of the week than toward the close; they started at a range from \$3.25@3.37½, and finally closed the week at a range from \$3.15@3.30. Common hogs were ranged from \$3.50@3.60. Heavy hogs went at \$3.50@3.65. On the whole, for the week, the market was very satisfactory to the seller, and decidedly paid the farmer a good price for his corn—better than they could get by shipping to any other market in the world. The farmers all over the country feel in really good spirits; they are not skimping and crying as they have been in former years; we do not hear so much of the terrible hardships they have to endure, though if they only knew they are really about as well paid as any men in the country, and decidedly they are in a position to be the most independent of any class in the country, taking them as a whole.

SHEEP.—During the week very fair prices paid. In some four different bunches, on different days, over 2,000 fed New Mexican lambs of about 70 lb average went over the scales at \$5.40; decidedly, this is a mighty good price, and netted the owners a very handsome profit on their investment. A bunch

of 469 Colorado lambs of 75 lb average went at \$5.60, the highest price paid during the week. A bunch of 293 Colorado lambs of 62 lb average went at \$5.25. Some 513 Utah shearlings and yearlings of 89 lb average sold at \$4.40; 444 Utah ewes of 101 lb average sold at \$3.60. A bunch of 384 fed Wyoming of 118 lb average sold at \$4.25. A bunch of 1,069 fed New Mexican of 80 lb average sold at \$4.40. Some 600 New Mexican shearlings and yearlings of 73 lb average sold at \$4.50; 424 Idaho shearlings and yearlings of 95 lb average sold at \$4.45, and a bunch of 700 Old Mexico ewes of 78 lb average sold at \$4.40. Toward the close of the week there was a perceptible weakness in prices, but taking as a whole very satisfactory, indeed.

NEW YORK PRODUCE EXCHANGE NOTES.

The West was well represented in the number of visitors at the Exchange this week, despite cold weather and snow-blocked railroads. Especially welcomed was former close associate of the Exchange, James B. McMahon, the general manager of the N. K. Fairbank Company, Chicago.

Visitors at the Exchange included P. B. Weare, J. M. Jenks and D. A. Noyes, from Chicago; T. R. Lewis and F. R. Macfarlane, Rochester; John R. Mearns, Philadelphia; L. A. Roberts, Carbondale, Pa.; G. A. Thomson, Montreal; Robert Clarke, Glasgow.

The firm of Ferris & Ketcham, brokers in tallow, lard, etc., comprised of William L. Ferris and Arthur C. Ketcham, was dissolved by mutual consent on Jan. 31. William L. Ferris will continue the business at the present address, 15 to 25 Whitehall street.

COTTONSEED OIL. WEEKLY REVIEW.

Quotations are by the gallon, in barrels, in New York, except for crude in bulk (tank cars) which are the prices at the mills.

DEPRESSED—LOWER MARKET.

This has been another week of marked depression to the market, with ability to sell only as lower prices were made. Notwithstanding the situation now at the seaboard is close to the lowest point of the season thus far, it has not led to more vitality to trading from any direction. The inside price for prime yellow upon the New York market through the fall months, at the time of the largest rush of offerings, was 21. Yet a sale was made here early in the week (on Tuesday) at 21½, and that then represented the best bidding rate for larger quantities than placed, while all around there were prompt sellers at 22. Since then further sales have been made at 21½. This settling back from a position which only recently gave promise of encouragement for a well sustained market is the natural outcome of the inactive export interests, while the time that has elapsed since there was life to the trading has given the mills and seaboard markets opportunities to make accumulations, over which there is increasing anxiety to sell. Large quantities of the oil are arriving out at all Continental markets; many points abroad have bought several weeks since extensively and beyond actual wants in view of the low price, or 21½ for prime yellow, at which they had secured most of their contracts; they are in turn offering to resell upon their home markets at a relatively less price than the product could be secured here, while they are moving out their supplies to consumers as promptly as possible to place themselves in a comfortable

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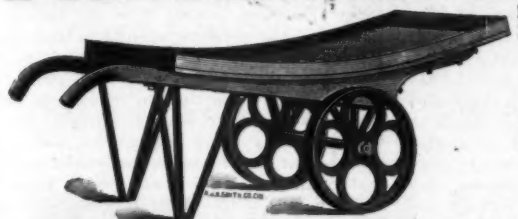
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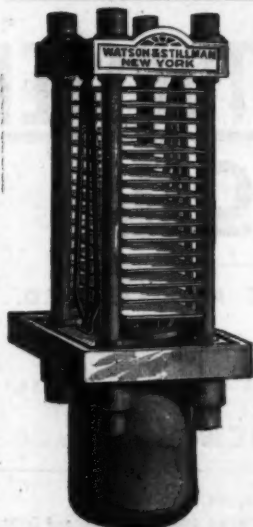
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—E. W. Codrington, proprietor of the ice works at Bartow, Ga., has recently purchased the Fitzgerald, Ga., ice plant of William Lyle.

SCALES.

The Standard Scale and Supply Co., Ltd., Pittsburg, Pa., are making a specialty of their new ball scale. It would be well to write them for circulars.

—The Paul Reising Brewing Co., Corydon, Ky., are erecting an ice manufacturing and cold storage plant to cost \$16,000.

KANSAS CITY HIDE REPORT.

The hide situation is practically as yet in the hands of the packers. It is getting to be a serious problem with tanners as to the price of native steers, and, as has been so often lately observed, the slaughter of the native cattle is a bad disappointment. This situation was hinted at pretty broadly in letters of one year ago in these pages, where the attention was called to the fact, that, owing to the peculiar condition of the money market, and to live within the strictest letter of the law, bankers compelled parties to whom they advanced money to purchase feeders, to rebrand the cattle. This has now an unmistakable bearing on the prices of native stock. It is almost useless for tanners to persist in telling what the farmers lose in branding cattle, for the simple reason, if they do not use this precaution, they may lose the animal altogether. They look on it, therefore, in a common sense, business view, that it is better to lose a dollar or two on the hide, than to suffer the loss of the whole bullock; and to raise a question if the unbranded animal should go into the hands of a person whose conscience was rather elastic as to "minimum and thinum." Native steers have sold at 11½c., and if the proportion of hides should come forward in other markets as in Kansas City of the branded character, it would be no way surprising to see native steers going at 12c. a pound. Light native cows have sold at 11c. freely, and there is no doubt, if the packers can, they will put up the price to ½c. more. They are openly talking a 10c. value on light average branded cows; to be sure, this price cannot be obtained where the largest number in the pack would go over 55 lb. Heavy weight branded cows will keep about even with that of the usual price of Colorados. There is no disguising the fact, that the weakest article on the market to-day, is the Colorado steers, and unless all signs fail there will be more of this character this year than ever before, so that while natives and the strictest class of Texas will be in short supply, and therefore in good demand, butt-brands and Colorados will be the points where tanners will make the lowest levels. At present writing the whole outlook is very strong, and that when we are entering into the two worst months of the year, for decidedly February and March hides are not desirable at present prices. While the slaughter of all the great centers will show an increase over that of last January, they decidedly do not show that increase justified by the present general good times that are now on us; and if the present good times will continue for some time, unless the laboring people will turn away from their now favorite of hog product, there is no good reason to think that hides will be much lower than at present for some time to come. And while there is no doubt but that ranchmen and farmers are breeding more heavily than for a good many years past, still one must take into account the large and ever increase in slaughter of the "fatted calves." If the present holders of leather are so foolish as to sell their production below a margin of profit they are very foolish, indeed, for they must expect manufacturers to howl, but a stiff upper lip on the tanners' part will decidedly get them a stiffer pocketbook.

SHEEPSKINS.—The situation not much changed; the slaughter fairly heavy, but there is always some person willing and ready to take hold of what the packers desire to dispose of. Therefore, there is no accumulation of stocks to worry packers in any manner; they are decidedly on easy street in this respect.

—The National Ice Co., of San Francisco, Cal., intend to put up an ice plant and storage warehouse to cost about \$100,000. It will be ready in May, 1898.

position, while there is not indicated by this that they will be buyers here in the near future. It is the current inactive export interest upon this market, and the probabilities of its remaining of a tame order, for a little while at least, that is prompting chiefly the attempted throwing over of held supplies here and the desire as well among the shippers here to resell. So long as the position here continues weak and close to the prices at which the shippers had secured some time since the February deliveries, which are now coming out to them, while the markets abroad are by relation even lower, it cannot be expected that the exporters will be ready to ship the oil coming to them this month, while these offerings add just so much to the depression. Ordinarily stocks would not be considered large, either here or at the South, but it must be recollected that the production has been without precedent in extent, while prices have been upon a basis through the season so attractive to all export and consuming interests that buying has been overdone, and time must be permitted to work off the excess in the hands of distributors and consumers. Then again there has been a ready disposition to sell all along by the mills, and which has benefited them in the long run, yet at the same time the lull comparatively which has set in in trading for the last fortnight or more has led by comparison with their former quick dealings, to a disposition to continue to move the productions, and the result has been that the mills as well as the seaboard markets have been affected to lower prices. Indeed the mills have probably been influenced more by the course of the seaboard markets latterly than in some time previously, since for a long period they have been in position to rather ignore the sentiment, especially in New York, by reason of the enormous trading which they were doing with the Western lard and soap people. It looks as though the weakness was not unwelcome to the largest buyers, and that they will take advantage of it to securing at the inside prices such quantities as may come out over the South, and yet the lower prices are the natural result of a production of oil in excess of any previous season, and which will take a later period of the season to well distribute and take care of before a good, healthy tone can be expected. There is hardly a question but that the oil market in the spring months will do better, and that the enormous outputs of the product will be absorbed to leaving not more than an ordinary stock at the wind up of the season, and by reason of the ready disposition to sell this year, and the fact that the low prices are prompting an enormous consumption; but that materially firmer prices are not among the calculations this side of the month of April is shown by the readiness at present to sell the March delivery at within $\frac{1}{4}$ ¢. of the price of the earlier month, and the inability to place it at any improvement upon the rate for the latter. It would seem as though speculative demand would be an outcome of the current low prices, but thus far it does not show itself, while indeed there are some lots which had been held by speculators on offer for sale.

There are the above conditions to work against any changes which may come about

in the hog products, which latterly, however, had been easing up a little from their previous firmer tendency, although subsequently again advancing. Yet in the recent strength for pure lard the oil position was not affected. There was perhaps a reason for this in the fact that compound lard continued under only moderate attention, notwithstanding it had not improved in price; compound lard by reason of the low cost of oil can be had at an easy price; it is freely offered at 4 per lb and stands more out of proportion than usual, as favoring buyers, than pure lard, but it is not as yet quickened in trading. The feeling among the lard refiners that the compound lard must come up in price to take its relative position with pure lard, probably tended recently to their freer buying for accumulations of the oil. The soap trade at the West has been picking up the oil a little more freely at the mills this week, by reason of the concessions in prices, and if the market was steady at the recent decline would probably become more extensive buyers, but neither the soap trade or the lard refiners care to buy in liberal form, while conditions are of their present tame order. We noticed last week the more general and active consumption of the oil by the soap trade at the West, with the remark then that the competition thence with the Eastern markets was making sharper inroads than usual in the soap trade, but it is just as well to keep track of the consumption of the oil at the South for soap purposes. That soap making at the South is being prosecuted with increasing energy, and that wider distributions are being found for their productions form features for increasing discussion. Many of the mills have been using their "foots" for some time, buying a little tallow and using cotton oil extensively for the make of soap, including some of the larger mills, and they are in instances gradually enlarging their facilities, with some large mills reported this week as projecting improvements to their factories by which their makes of soap will be by comparison rather extensive. Added competition and the growing popularity and use of cotton oil soaps, has something to do with the rather easy tendency of the tallow market, which latter would undoubtedly sink to a lower price were it not from the feeling that the export markets may at length relieve the position here of the tallow product.

The mills are getting more seed than they expected; when seed went up \$1 per ton from its lowest point, to which basis it now holds, more of it came out than formerly, and it is coming right along in many sections. However, some of the mills are simply working up their old supplies of seed, and when they are through with these they will probably close for the season. The only instances of any shutting down on productions have been reported from Texas, and these are believed to be only temporary. Yet if the oil market is to keep down to its present low level there will undoubtedly be a general earlier closing of the mills that had been looked for. It is not regarded that the mills are carrying a large supply of oil, while if prices are to keep down they will probably have sufficient trading on buying ahead of actual wants to let them go out into the spring months with quite moderate hold-

ings of the oil. If there should be a prompt general disposition to sell by the mills at 15 for crude in tank cars, it is quite likely that the refiners would consider that a secure basis for taking hold, and would buy against a more confident position of the lard market, which they regard as among the possibilities in the spring months. It is without question that the oil is now away out of its usual proportion with the lard market; as near as we can recollect, by comparison, lard is now about $\frac{1}{4}$ ¢. per lb higher than about this time last year, while cotton oil stood last year about $\frac{1}{4}$ ¢. per gallon above current figures, and it would seem as though the cotton oil should feel some benefit from the lard position after the pressure upon it is over from the incidental features referred to at the beginning of this market review. A good deal has been said from time to time about England's production of oil, but it does not cut much of a figure by comparison, and it is brought out as a feature occasionally only as that country may fill in on special lapses to dull demands of the Mediterranean countries. The crush of England in the last five years has not averaged annually more than 375,000 tons seed, and this would produce about 350,000 bbls. oil. By comparison with America's production, the figures look small, as estimates of our outputs this year are close to 1,500,000 bbls.

There is no concern expressed over the fact that the French government has not ceased altogether the thought of the taking up the question of cotton oil again for an increased duty; no one here believes that it is more than a threat, and the best indication that French merchants do not look upon it in any other way is in the apathy of the trade thence.

While New York has been dull this week in its export business, it has not stood alone in that respect. New Orleans and Galveston

Josiah Macy's Sons,

Receivers of

COTTONSEED OIL

CRUDE AND REFINED.

191 Front Street
NEW YORK.

LOUIS K. FERGUSON, President.

CLEMENS G. HEWITT, Sec. and Treas.

GLOBE REFINING CO.

REFINERS OF

COTTON OIL.

Prime Summer White

FOR LARD COMPOUNDING.

CABLE ADDRESS,

"GLOBE, LOUISVILLE."

Louisville, Ky.

Quality Guaranteed. All Other Grades of Cotton Oil.

DIAMOND FULLING AND SCOURING SOAP.

Obtain our Prices before buying

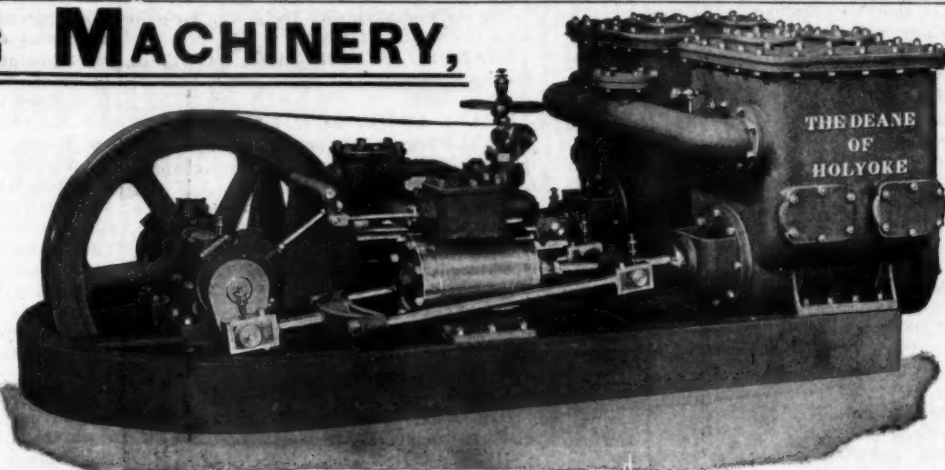
PUMPING MACHINERY,

Boiler Feed Pumps,
Fire Pumps,
Vacuum Pumps,
Ammonia Pumps.

The Deane . . .
Steam Pump Co.
HOLYOKE, MASS.

NEW YORK. BOSTON.
CHICAGO.

The illustration shows the Deane
Duplex Fly Wheel Vacuum Pump.



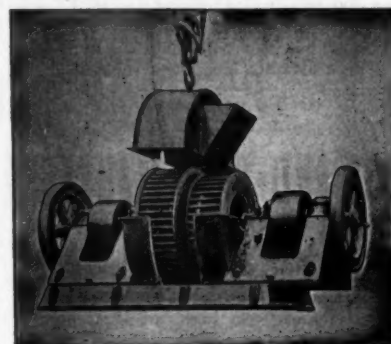
"Stedman's Disintegrators" ARE THE BEST

Are used by nearly every large packing house and fertilizer establishment in the United States. References:

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Write for Catalogue and full Descriptive Matter.

We manufacture machinery for equipping complete fertilizer plants, consisting of Disintegrators, Bone Breakers, Mixing Pans, Screening Elevators, Engines, Boilers, Shafting, Pulleys, etc.



Stedman Foundry and Machine Works, AURORA, IND.

The Blanchard Disintegrator

IS THE ONLY UP TO DATE MACHINE.

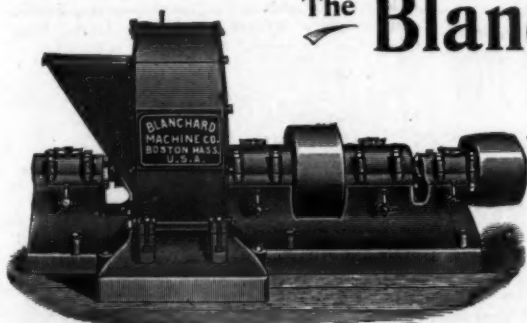
It is the result of scientific design, backed up by careful tests and long experience. It is not everybody that can build a Disintegrator that will give satisfaction under severe conditions and hard service. To accomplish this result

THE CONSTRUCTION MUST BE OF THE VERY HIGHEST GRADE.

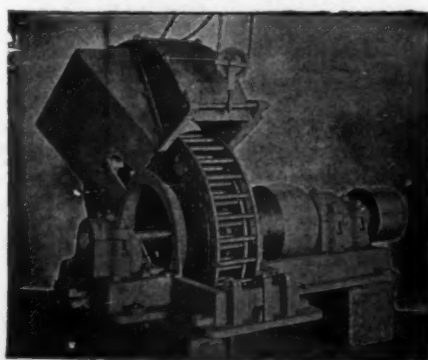
The Blanchard Disintegrator will grind Bone, Glue, Tankage, Soap Powder, Caustic, Salt, Chemicals, Sticky and Resinous material, and in fact any brittle or soft material.

Write for catalogue giving full information regarding your material.

BLANCHARD MACHINE CO., 803 Congress St., BOSTON, MASS.



ESTABLISHED 1861.



The ORIGINAL HOLMES & BLANCHARD CO.'S Improved Disintegrators.

THESE MILLS WILL GRIND RAW AND STEAMED BONES, TANKAGE, SOAP, CHEMICALS, GLUE AND OTHER HARD MATERIALS.

We manufacture all machinery for equipping Fertilizer Plants complete, including Mixers, Elevators and Screens of every description, Automatic Cars, etc. Experienced Engineers furnished to lay out work. Blue prints furnished and estimates given.

PRICES TO SUIT THE TIMES.

HOLMES & BLANCHARD CO.

37 Charlestown Street, Boston, Mass., U. S. A.

Be sure and write us for Prices and Catalogue before placing orders.

have shown corresponding indifference. The oil now going out from all directions to the other side is essentially all on old sales. There have been sales of crude in tank cars at the mills this week of 30 tanks at the Atlantic coast points at 15@15½, chiefly at 15¼@15½, closing with most of the sales there at 15, and which is the best bid; 12 tanks were sold in Texas at 14½@14¾. Crude in barrels in New York was sold at 18½ for 300 bbls., and 18¼@18½ for 200 bbls., but afterwards 18 was the best bid, although the effort was still to get 18½. The Mississippi Valley has least crude to offer, and its market prices are 15½@15¾. In prime yellow in New York, sales of 3,500 bbls., spot and February delivery, at 21¼@22; 2,750 bbls. for March delivery at 21¼@22; 700 bbls. good off yellow, on the spot, at 21½, closing at 21½ for spot and February. Ordinary grades of butter oil can hardly be sold better than the price of prime yellow, and good off yellow is worth about as much as prime, as the demands at present are essentially all from the soap trade, and for its use one grade is as good as another. However, there have been a few lots of choice butter grade sold up to 24½@25. There have been 400 bbls. white oil sold at 24@25. Just now there is not much good off grades being produced, but from this on there will probably be a steadily increasing supply.

(For later report, see page 42.)

HIDE AND SKIN MARKETS. CHICAGO.

PACKER HIDES.—The conditions continue to favor the packers, and the chances are that they will do so for an indefinite period. Hides are very high, much to the chagrin of tanners who are continually importuning holders for more favorable terms. Despite the high prices, tanners are compelled to buy to satisfy present needs. They do this with great reluctance. We quote:

No. 1 NATIVE STEERS, 60 lb and up, have been in fairly active request. This stock has been sold in small instalments and at a variety of prices. It is now generally quotable at 11¼@11½c.

No. 1 BUTT-BRANDED STEERS, 60 lb and up, are offering at 10@10¼c., this latter price being the figure for the earlier take-off.

COLORADO STEERS are not in any especial demand at 9@9¼c. Somewhere about 3,000 hides sold this week at the latter price.

No. 1 TEXAS STEERS vary in price according to weight and quality; 10@10¼c. are ruling figures, while light range in price from 9¼@10c.

No. 1 NATIVE COWS, free of brands, 55 lb and up, have had a good call at 10½c. The kill of heavies is somewhat greater than it has been. Lights are an especially strong factor at 11c.

BRANDED COWS seem likely to advance. The present stock is extremely light and quotable at 9¼c. Some holders are asking more.

NATIVE BULLS are well cleaned, no stock being available. They continue strong at 9¼c.

COUNTRY HIDES.—The market is very strong and well sold ahead. Despite the brisk demand and prospective advance, dealers are not disposed to hold any stock that will bring ruling figures. Comparatively little stock is being delivered.

No. 1 BUFFS, 40 to 60 lb, free of grubs and brands, are a very active feature of the present market. No. 1 stock brings 10c. readily and No. 2 9½c.

No. 1 EXTREMES, 25 to 40 lb, have sold to some extent, but not as freely as most of the other varieties. This doubtless owing

to the inferior quality of the stock. General stock is quotable at 10¼c.

BRANDED STEERS AND COWS.—A few cars have sold at 8¼c. There is little stock in sight.

HEAVY COWS, 60 lb and up, free of grubs and brands, are not in very active request, despite which some stock has changed hands on the 10c. basis. No. 2, 9½c.

NATIVE BULLS.—There is no change in the situation. They vary from 7¼@8¼c.

CALFSKINS, 7 to 15 lb, have gained tone. Good country skins are in fair demand at 13½c.

KIPS, 15 to 25 lb, have sold in large quantities at 11½c. Some stock is being held at 12c.

DEACONS are quite active at 50c.

SLUNKS, 25c.

HORSE HIDES are very firm and a good selection would bring \$3.45@3.50.

SHEEPSKINS.—There has been appreciable advance in packer pelts. Packers are very stiff in their views. We quote:

PACKER PELTS, \$1.25.

COUNTRY PELTS, 80c@1.20.

PACKER LAMBS, 80@85c.

COUNTRY LAMBS, 75@85c.

BOSTON.

Sales of buffs have been declined at 10¼c. There is a good demand and much stock has been sold ahead; 10½@10¾c. are present asking prices.

CALFSKINS.—Stock is very light. Some veals are offering.

SHEEPSKINS.—Sales are greatly in advance of receipts. All stocks are small and very high.

BUFFS, 10½@10¾c.

NEW ENGLAND HIDES, 9¼@10c.

PHILADELPHIA.

The market is nominally strong, but sales are limited. High prices and inferior stock are serious impediments to business.

CALFSKINS.—Receipts are light. A general advance of 10c. apiece is noted.

SHEEPSKINS.—There is some improvement in conditions, owing to the late advance in wool prices.

CITY STEERS, 10@10¼c.

CITY COWS, 9¼@9½c.

COUNTRY STEERS, 9¼@10¼c.

COUNTRY COWS, 9@9½c.

COUNTRY BULLS, 8@8½c.

SHEEPSKINS.—City, \$1@1.10; country, 75c.@\$1.

NEW YORK.

The local market is closely sold up, so closely, in fact, that there are no sales to report, with the exception of a bed of Colorados which sold for 9¼c. The following prices reflect the condition of the market:

No. 1 NATIVE STEERS, 60 lb and up, are very strong and closely sold up; 11@11½c.

BUTT-BRANDED STEERS, 10@10¼c.

SIDE-BRANDED STEERS, 9@9¼c.

CITY COWS, 9¼@10c.

NATIVE BULLS, 9@9¼c.

COUNTRY COWS, 9¼@9½c.

CALFSKINS, see page 46.

HORSE HIDES, \$3.25.

SUMMARY.

The present high price of hides is without any doubt exerting an adverse influence over sales. It is true that hides of almost every variety are in active request, much stock being sold well ahead, but it is equally true that if hide and leather prices were more on a parity that present sales would be multiplied by two or three. The voice of tanners is heard "throughout the land" threatening that unless they can get their hides on more favorable terms, or sell their leather for a higher price, that they will close down. Tanners have for many months curtailed their produc-

tion appreciably, because of the disparity in the prices of the raw material and the finished product. The scarcity of hides is a "condition and not a theory," and a condition that is not likely to change in the near future. Under the existing circumstances there is but one course for tanners to take, and that is to get better prices for their product. There is positively no alternative. We are glad to say that material steps have been taken in this direction during the past three or four weeks and the welfare of the industry demands that leather be tanned at a profit, and not at a loss, as has been the case for some time past. Considering the scarcity, present and prospective, of hides, they are not extraordinarily dear. On the other hand, considering the comparative scarcity of leather (the largest holders in the country, and probably in the world, not having over a three month's supply of stock finished and in process), it has been extraordinarily cheap. The aversion of leather buyers to pay equitable prices should and must be overcome, and, if necessary, tanners should organize to effect this purpose. The sooner that these latter appreciate the fact that hides are not likely to be lower, and that as a natural sequence leather must be higher, otherwise the tanners will sing with the poet, and sing in vain, that

"Of all sad words that ever were writ,
The saddest are these, lower hide prices, nit."

CHICAGO PACKER HIDES—

No. 1 natives, 60 lb and up, 11¼@11½c.; No. 1 butt-branded, 60 lb and up, 10@10¼c.; Colorado steers, 9@9¼c.; No. 1 lights, 9¼@10c.; Texas steers, 10@10¼c.; No. 1 native cows, 10½c.; under 55 lb, 11c.; branded cows, 9½c.; native bulls, 9½c.

CHICAGO COUNTRY HIDES—

No. 1 buffs, 40 to 60 lb, 10c.; No. 2, 9½c.; No. 1 extremes, 25 to 40 lb, 10½c.; branded steers and cows, 8¼c.; heavy cows, 60 lb and up, 10c.; No. 2, 9½c.; native bulls, 7¼@8¼c.; calfskins, 13½c. for No. 1; kips, 11¼@11½c. for No. 1; deacons, 50c.; slunks, 25c.; horse hides, \$3.45; sheepskins, packer pelts, \$1.25; country pelts, 80c.@1.20; packer lambs, 80@95c.; country lambs, 75@85c.

BOSTON—

Buff hides, 10½@10¾c.; New England hides, 9¼@10c.

PHILADELPHIA—

Country steers, 9¼@10¼c.; country cows, 9@9½c.; country bulls, 8@8½c.

NEW YORK—

No. 1 native steers, 60 lb and up, 11@11½c.; butt-branded steers, 10@10¼c.; side-branded steers, 9@9¼c.; city cows, 9¼@10c.; native bulls, 9@9¼c.; country cows, 9¼@9½c.; calfskins (see page 46); horse hides, \$3.25.

HIDELETS.

A. M. Davis, of A. M. Davis & Co., prominent New York City hide brokers, recently died suddenly.

F. Goldschmidt, a hide dealer of Paris, France, who has been visiting the West, recently, sailed for home on the St. Louis.

John McDermott, the Brooklyn tanner, has gone to Nassau, N. P.

E. N. Lapham, Chicago hide buyer for the U. S. Leather Co., has been visiting the New York market.

Chas. A. Schieren, Wm. McCarroll, Chas. Hanselt and other prominent leather merchants of the Swamp, were on the committee which received President McKinley on his recent visit to New York City.

The seed and hull warehouse of the Chattanooga Cotton Oil Co., at Alton Park, which collapsed, will be cleared at once and rebuilt. The proprietors of the mill stated that the probable cause of the warehouse giving way was due to an overweight of cottonseed and hulls on the floor above.

THE SCHÖNLAND AUTOMATIC CASING APPLIER.

WEIGHT, 20 lbs.



Sausage manufacturers have for a long time been looking for a machine to run the casings on to the tubes of stuffers. Here we have it, and it will do the work as well as it can be done by hand and in very much less time, thereby saving labor and time, as with this machine one man can stuff as many sheep or hog casings as three or four men can link, besides doing away with the most tiresome work there is in stuffing sausage.

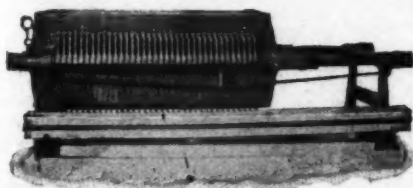
The machine takes practically no power to run, only a 1/4-inch round belt, the same as a sewing machine, and uses no more power than a sewing machine. It does not need an extra operator, as the machine can be used by either one or two men on steam, power or hand stuffers and is never in the way, because when the machine has put on a casing it immediately rises up by itself 8 inches and stays there until needed again. It will run on about 100 feet of sheep or hog casings in about 7 seconds and will handle tender casings just as delicately as the hands of the workman. Two lined wheels go with each machine, but it is only necessary to have one of them on the machine, even when two men are working it; so there is always one wheel in reserve.

A glance at the cut opposite shows the machine at work and after it has put on a casing.

Manufactured by

WM. F. SCHÖNLAND,

10-14 Walker Street, MANCHESTER, N. H., U. S. A.



William R. Perrin & Co.
**FILTER
PRESSES**
Chicago.

NEW YORK OFFICE: 209 Greenwich Street.



**THE
UNION
SAUSAGE
STUFFER**

MADE IN TWO SIZES.
No. 1—25-lb... \$40.00
No. 2—54-lb... 60.00

This Stuffer occupies less room than any other and is simple and rapid in operation.

Send for Descriptive Circular.

MANUFACTURED BY
**The UNION
Machine Works,**

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New York Agents:

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THE LEADING PACKERS IN THIS COUNTRY, IN GREAT BRITAIN AND EUROPE SUBSCRIBE TO THE NATIONAL PROVISIONER. IT IS NOT NECESSARY TO ASK WHY.

THE....
Hill Manufacturing Co.
**REFRIGERATING
APPARATUS.**

**NO MOTIVE POWER.
NO SKILLED LABOR.**

Have on Hand for Immediate Delivery
Continuous System 1, 2 and 4 Tons Capacity.
Intermittent System, 125, 350, 500
and 1,000 Pounds Capacity.

Orders for Other Sizes Promptly Executed.

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THE HILL MANUFACTURING CO.,

811, 813, 815 Fairmount Ave.,
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**PACKINGHOUSES,
RENDERING WORKS,
LARD REFINERIES,
SAUSAGE FACTORIES,
MEAT MARKETS,
PROVISION DEALERS,
COTTON OIL MILLS,
SOAP WORKS,
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in all parts of the civilized
world are reached by one
paper only

THE NATIONAL PROVISIONER

As to its standing, value and circulation, ask the nearest packing-house or rendering works.

Our market reports are THE STANDARD in the United States and Canada.

If you want to reach these trades, advertise in

THE NATIONAL PROVISIONER,

NEW YORK:
284-286 Pearl St.

CHICAGO:
Rialto Building.

**WANT AND FOR SALE ADS CAN BE
FOUND ON PAGE 45.**

THE PACKING HOUSE.

FIFTH SERIES.

Included in the series of articles on *The Packing House*, the following subjects have been exhaustively treated on the dates indicated:

Dec. 19, 1897.—"Meat Canning," No. 1.
Jan. 1, 1898.—"Test of 86,161 Hogs, Winter Packing."
Jan. 8, —"The Deodorization of Grease."
"15, —"Feeding Lambs for Mutton."
"22, —"Cattle—The Shorthorn or Durham."
"29, —"Chill Rooms."

SODIUM CHLORIDE OR COMMON SALT.

Potassium nitrate or saltpetre are articles of great value and much use to and in the packing trade; hence, the following will prove of interest to all our readers in the various branches thereof.

Salt is of general use—for curing and packing all kinds of meats, for hides, for "setting" lard, etc., but principally used in the packing and preserving of meats, preventing putrefaction by the absorption of water from the flesh and imparting a flavor not possible with any other agent. Salt is readily soluble alike in hot and cold water, the saturation point being in water, say, 60 degrees F., about 3 lb per gallon, salt and water, respectively. This very valuable article is obtained by mining it in the form of rock salt, or by evaporating the water of salt springs. The famous "Retsof" (or reversed—"Foster") salt is of the former origin and is possibly without a peer for packing pork; its "life" as a "capping" salt being apparently inextinguishable, hence its incalculable value to the trade. Poland boasts perhaps the largest bed of solid salt in the world, sufficient, it is estimated, to supply the entire world for thousands of years. The salt springs of Cheshire, England, and those of New York State are among the largest in the world, and the quality of the finished product of the best. Every gallon of sea water (that is—salt water) contains about 4 oz. of salt, so that all sources considered there is little fear of any scarcity of this most valuable and absolutely necessary (to life) article. The following table shows properties of solution of salt (chloride of sodium):

1.	2.	3.	4.	5.	6.	7.	8.
P. c. of salt by weight.	Lbs. of salt per gall. of solution	Degs. of salinometer at 60° F.	Weight per gall. at 39° F.—4° C.	Specific gravity at 39° F.—4° C.	Specific heat.	Freez. point, degs. F.	Freez. point, Celsius.
1	0.084	4	8.40	1.007	0.992	30.5	0.8
2	0.169	8	8.46	1.015	..	29.3	1.5
2.5	0.212	10	8.50	1.019	..	28.6	1.9
3	0.256	12	8.53	1.023	..	27.8	2.3
3.5	0.300	14	8.56	1.026	..	27.1	2.7
4	0.344	16	8.59	1.030	..	26.6	3.0
5	0.433	20	8.65	1.037	0.960	25.2	3.8
6	0.523	24	8.72	1.045	..	23.9	4.5
7	0.617	28	8.78	1.053	..	22.5	5.3
8	0.708	32	8.85	1.061	..	21.2	6.0
9	0.802	36	8.91	1.068	..	19.9	6.7
10	0.897	40	8.97	1.076	0.892	18.7	7.4
12	1.092	48	9.10	1.091	..	16.0	8.9
15	1.380	60	9.26	1.115	0.855	12.2	11.0
20	1.928	80	9.64	1.155	0.829	6.1	14.4
24	2.376	96	9.90	1.187	..	1.2	17.1
25	2.488	100	9.97	1.196	0.783	0.5	17.8
26	2.616	..	10.04	1.204	..	1.1	18.4
29	..	..	..	..	..	4.7	20.4

To determine the weight of 1 cubic foot of brine, multiply the values given in column 4 by 7.48. To determine the weight of salt to 1 cubic foot of brine, multiply the values given in column 2 by 7.48.

Potassium nitrate or saltpetre is of great value to the trade, not only on account of its strong antiseptic qualities, but principally owing to its efficiency in imparting that peculiar and most desirable natural appearing ruddy color to meats; whether "dry salt" or pickled. It would be well nigh impossible to suit some markets without its assistance in this respect. Many of the meat preservers on the market to-day contain saltpetre, varying from 5 to 30 per cent., according to use intended therefor, chiefly on account of its peculiar heretofore mentioned characteristic, the too severe action on the meats otherwise being corrected by other constituents in formula, of an antiseptic nature also.

Four ounces of saltpetre per 100 lb of meat is sufficient to obtain the requisite desideratum, whether dry salted or pickled meats. Saltpetre or nitrate was known to the ancients, and was called salpêtre by the alchemist, Gerber. It occurs as an efflorescence on the soil in various hot countries, especially in Bengal, but likewise in Egypt, Syria, Persia and Hungary, as well as in America. In Ceylon and other parts of India, nitre is obtained by the lixiviation of certain porous rocks, whence the origin of the word salpêtre. These yield from 2.5 to 8 per cent. of their weight of nitre. The formation of the nitre, whether found in the soil or in porous felspathic rocks, is due to the gradual oxidation by the air of nitrogenous organic matter in contact with an alkali. In the decay and putrefaction of such bodies, ammonia is first formed and nitric acid subsequently produced.

In India, a caste of men, termed Sorawallahs, make it the business of their lives to collect the raw material, and to manufacture and sell the salt, which is employed locally for producing frigorific mixtures and is also largely exported. The Sorawallah goes about the village, examining the small surface drains which issue from holes in the mud wall usually found around native dwellings and their cowhouses; when he detects a faint

white veil-like patch of crystalline formation on or near the dark-colored borders of these little drains, he knows that a considerable quantity of nitre exists, on or near the surface of all the surrounding earth; he accordingly proceeds to scrape off a very thin layer of the surface soil, which he carries away to his place of manufacture, as soon as his morning's collections are finished. On arriving there the impregnated earth so collected is thrown into an earthen vessel containing either water, or water which has been poured off from previous supplies of similarly impregnated earth. When the water so used is pretty well saturated, it is poured into shallow pans of unglazed earthenware, in which it is then exposed to the combined influence of hot winds and the solar rays; these cause rapid evaporation, and the formation of crystals of nitrate of potash, which, after one or two more crystallizations, are ready for sale. The mother liquor, on being further evaporated, yields a proportion of common salt, varying from 1 to 7 or 9 per cent. The Sorawallah makes fresh collections from precisely the same spots of ground from week to week, year to year, and from generation to generation, after the manner of the Eastern world; the production of nitre is constant, so long as the place continues to be inhabited; it even continues to appear in large, though gradually decreasing, quantities, for years after the village may have been deserted. The intervals at which fresh collections may be made from the same spot vary in different localities and in different seasons of the year, from one to seven, ten or more days.

(Concluded next week.)

CORN FAT Vs. CORN FED.

A subscriber writes to us from Texas, as follows:

We have "The National Provisioner" and the article on page 32 in regard to mast fed hogs was read with much interest. Being in a mast country we have had a great deal of trouble from this source, but the packing industry not being very extensive in this section, and so being able to make the custom we have recently adopted the rule not to buy at the stockyards except from commission men who will guarantee the hogs corn fat (not corn fed); or when they cannot do this, we sample the bunch by killing a few. If all right we take the bunch; if not, we pay from the samples at value of mast hogs. It looks like a one-sided way, but not nearly as much so as to get mast hogs and pay for corn. It seems that it is a question that could be adjusted if the larger markets would make a rule covering the point. The smaller markets would only be too glad to get in line. The fact that we insist on getting what we pay for is gradually getting the shipper to have his goods in condition.

One signal advantage of the maintenance of conservatism is that it serves as a check upon extravagance. The discipline of adversity has led to the practice of economies which have added greatly to the aggregate of riches diffused throughout the country. When the propensity to be saving is virtually universal the surplus hoard grows rapidly.

H. E. STÜRCKE & CO., 284 PEARL STREET, NEW YORK.
NATIONAL PROVISIONER ANALYTICAL LABORATORY.

OFFICIAL CHEMISTS TO THE NEW YORK PRODUCE EXCHANGE.

Chemists and Experts for Packing House Products and Supplies, Fertilizers, Soaps, Etc.

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Particulars.

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RAPID WORK, CORRECT COUNT,
ACCURATE WEIGHT, POSITIVE ACTION,
INTERLOCKING IN PRINCIPLE.

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Machine

FOR...

COTTONSEED OIL MILLS.

The machines are all equipped with a new Counting Device or Register, enabling the user to obtain absolutely a correct count of every sack filled through the machine.

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One of the most important and practical inventions of the age pertaining to the cottonseed industry.

By the use of one man to adjust the sack and remove it when filled this machine is capable of automatically weighing and filling at least 1800 to 2000 sacks in a day of ten hours.

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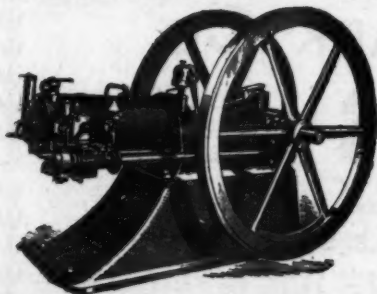
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GASOLINE,
NATURAL GAS
ENGINES.

ECONOMICAL.
DURABLE.
SIMPLE.

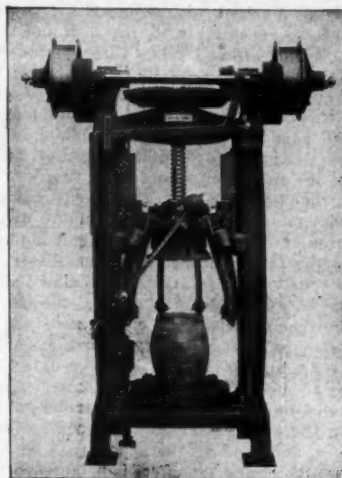
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2 to 200 H. P.

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WITH THE GIANT THIN HOOP DRIVER

It is a Great Labor Saver



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Capacity of Machines already sold, over
60,000,000 per year.

IN USE IN PACKINGHOUSES, BREWERIES,
BARREL AND KEG WORKS, Etc., Etc., Etc.

Send for latest edition 80-page catalogue to

JOHN S. ORAM, Hamilton and
Coe Streets, CLEVELAND, O.

We have been told that to put a single page advertisement in THE NATIONAL PROVISIONER is as effective as putting on another traveling salesman, and in the majority of cases it certainly is, but—it is not so expensive.



TIGHTENS ALL THE TIME.

Door and frame together, with or without sill, also with trap for overhead track, and for old doorways. Freezer doors that will not freeze fast.

Tasteless and Odorless
Spruce Lining Lumber

For Meat, Egg and Butter Rooms. Large or small quantities, all grades. Low prices.

WANT AND FOR SALE ADS can be found on PAGE 45.

SOAP MAKING.

No. 81.

MOTTLED SOAPS.

Wm. Lant Carpenter, B.A., B.Sc.

Mottled Soaps.—The term is here used to denote the old-fashioned curd-mottled soaps; not those marbled with blue, grey or red, which have appeared in the English and foreign markets within the last thirty years. In the fabrication of soap, it is impossible to avoid entirely the presence of earths and metallic oxides. These consequently decompose a small portion of the soap, combining with its fatty acids, and forming soaps of lime, magnesia and iron (from the "cappers"), which though insoluble, are softened by heat, and disseminated in a state of minute division through the soap paste; any slight impurities in the fat employed, when not dissolved in the caustic soda solution, are similarly diffused. If, after a soap is "made," the lye in which it is suspended is concentrated to a point short of that necessary to produce half-curd soap, and it is then transferred to the cooling frames, with a certain quantity of lye entangled in it; these insoluble particles will, during the solidification of the soap, collect together, and produce the appearance known as "mottling;" and the effect is heightened by the partial crystallization of the soap. No rule can be given for the point of concentration; it varies with the fat used, with the amount of lye in the copper, with the quantity of salts other than caustic soda in them, and, in short, the proper "mottling condition" is a physical one, chemical tests being of little use in deciding it. Nothing but practice and careful observation can make a successful mottled soap boiler. The principle of the process has been clearly laid down; and the various formulæ given in books, involving in many instances several changes of lye, are but different modes of arriving at the same result, viz., the suspension of pure soap, and of soaps of the metallic oxides, in soda lye of a given specific gravity.

If the soap be boiled too long, it "sets" in cooling before the mottling has had time to aggregate; if it is not boiled enough, an undue quantity of lye remains in the soap; but from their mode of manufacture, mottled soaps must always contain some lye in the cavities between the curds; hence, they are the most suitable and really economical soaps for washing clothes, etc., in hard waters, although not, of course, for toilet purposes. It not unfrequently happens that the soap copper does not contain enough metallic soaps, etc., to produce a definite mottle. In this case some "mottling" is added; for a grey, Frankfort-black, or very finely levigated manganese black oxide, may be used; the peculiar greenish mottle which becomes red on exposure, characteristic of Marseilles and Castile soaps, is produced by adding some solution of iron protosulphate to the copper when the

soap is nearly finished (about 4 oz. of the salt to 100 lb of fat); the precipitated iron protoxide suspended in the soap is greenish, but it becomes peroxide in contact with air, to which the change to a red color on exposure is due.

In England, mottled soaps are usually made from kitchen grease, and from bleached palm oil. In Marseilles, mixtures of various seed oils are used, of which olive oil is the principal, and cottonseed, poppy, hempseed, gingelly and groundnut oils are frequent components. In these mottled soaps, little or no coconut or palm kernel oil should be used, although such oils form an almost essential constituent of the new mottled soaps referred to above.

* American firms have had a monopoly of packinghouse business in Mexico for many years, but they are soon to have strong native competition, the Mexican government having just granted a concession for the establishment of two large packinghouses in that country, one of which is to be established at Chihuahua and the other in the City of Mexico. This concession was granted to Enrique Creel, the millionaire banker and mine owner; Luis Terrazas, another millionaire, both of Chihuahua; J. F. Brittingham, a millionaire manufacturer, of Lerdo, and Federico Sisinega and Juan Terrazas. Under the terms of concession, not less than \$1,000,000 must be invested in each packinghouse established.

ANSWERS TO CORRESPONDENTS.

We gladly and as promptly as possible answer all reasonable questions in this column sent to us by our SUBSCRIBERS OR ADVERTISERS.

Answers desired by mail should be accompanied by a stamped, addressed envelope.

Persons desiring not to be known as making an inquiry should add a non de plume to their questions. By so doing they will avoid identification in this column. The correct name and address should, however, for the publisher's satisfaction, accompany each request for information.

INQUIRER, TEXAS.—The last national census gives the number of cattle in the Argentine Republic, as follows, classifying them as to the different species: Criollo or native, 14,197,159; price per head, \$15; total value, \$212,957,385. Mestizo or mixed, 4,678,348; price, \$50; total value, \$233,917,400. Thoroughbred breeders, 72,216; price, \$400; total value, \$28,886,400. Milch cows, all classes, 1,800,799; price, \$70; total value, \$126,055,930. Oxen, all classes, 953,004; price, \$70; total value, \$66,710,280. Grand total of animals, 21,701,526; total value, \$668,527,395.

W. R. D., HAMMOND.—We have not heard from our correspondent at that point since the publication in our issue of Dec. 18, of the story of the failure of the meat canning operations at Townsville, and are therefore not in a position to give you any further light on the matter.

CREAMERIES OR BUTTER FACTORIES.**STARTING A CREAMERY.**

(Continued from issue of Jan. 1, 1898.)

The best place for the successful introduction of the creamery or co-operative system of butter making is a farming district where dairying has been long in practice, with butter as a leading product and yet not of the highest reputation as to quality. Such conditions insure the cows needed, and those of the right kind, with proper care of the animals and knowledge of the details involved.

There are many creamery buildings standing useless in different parts of the country, representing unproductive investments by neighboring farmers, which aggregate some millions of dollars, because the conditions necessary to success were not recognized in advance. These creameries have been built in communities having no knowledge whatever of dairying, the farmers unfamiliar with cows and their care, and, if accustomed to cattle at all, having those of a kind unsuited to milk production.

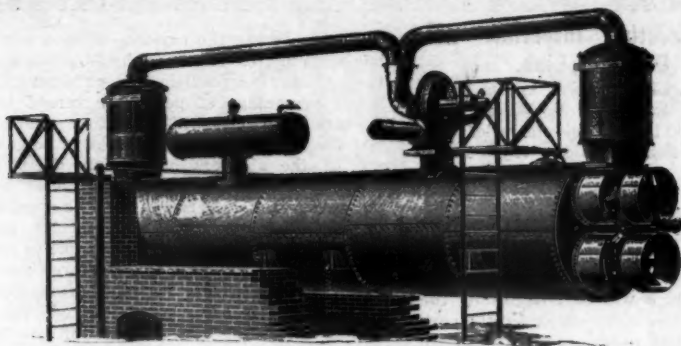
If the question of starting a creamery becomes one of local interest anywhere, the best course to pursue is as follows: Let an informal meeting be held of those interested in the subject. Endeavor to bring to this meeting the owners of the largest herds of cows or other cattle in the vicinity, whether they are favorable to the project or not. The experience of such men, on various points involved, will be of value. Also invite to the meeting a few of the local business men, whose interests are closely connected with those of the farmers, and whose business training and advice will be useful. If possible, secure the presence at this meeting of some successful creamery manager, or a farmer who is a creamery patron, and perhaps on the board of management. Even if such a person has to be sent for some distance and at considerable expense, it will be a wise and economical preliminary step to take; he will be able to give the experience of those who are engaged in a like enterprise elsewhere, and to answer many practical questions in connection with the matter. The man who is not wanted at this meeting is the one whose business it is to "get up creameries," build them and equip them and get the farmers' money. The influence of the professional "creamery promoter" is to be avoided at all stages of the movement.

After a general conference, an interchange of opinions, with such reliable information on the subject as can be obtained in the way suggested, if it appears that the project is so favorably received as to warrant further action, let the meeting appoint a representative committee of three or five men to make a thorough investigation of the subject as a

WELCH, HOLME & CLARK Co.383 WEST STREET,
NEW YORK.**SOAP MATERIALS**CAUSTIC SODA.
48% AND 58% PURE ALKALI.
(Bags, Barrels and Casks.)

48% Caustic Soda Ash, Carbonate Crystal Soda, N Silicate Soda, Potash, Pearlash, Borax, Coconut Oil, Palm Oil, Cottonseed Oil, Red Oil, Corn Oil, Green and Yellow Olive Oil, "UNCLE SAM" Brand Green Olive Oil Foots, Superior Quality; Tallow, Grease, Stearine, Lard Oil, Horse Oil, Neats Foot Oil, &c., &c.

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CRYSTALS,
GRANULATED,
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To Advertisers.

Do you want your share of the business in the

Meat and Provision Trades during the coming year? Do you want to reach the

Packinghouses, Meat Markets, Oil Mills, Rendering and Fertilizer Works,

Soap Works, and the like, or are you rich enough already?

The way to get your share is to ask for it. The way to ask for it is to print your advertisement where the people you want to reach will be sure to see and read it. A good trade journal is the best of all mediums.

THE NATIONAL PROVISIONER

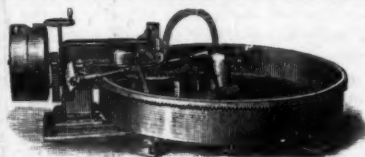
is the best trade journal. It is read by its subscribers, because it is of real help to them in their business and carries weight with them. The advertising columns are read with interest. Our readers depend upon same not only for information as to how to buy, handle and sell their goods, but where to buy them.

The best place to print an ad is where the people you want to reach will look for it.

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ALL SIZES. CAPACITIES FROM
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HEAVY-DUTY FERTILIZER DYER

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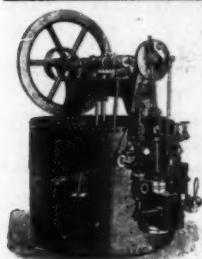
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Soap Powder, Toilet,
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If you have trouble to compete,
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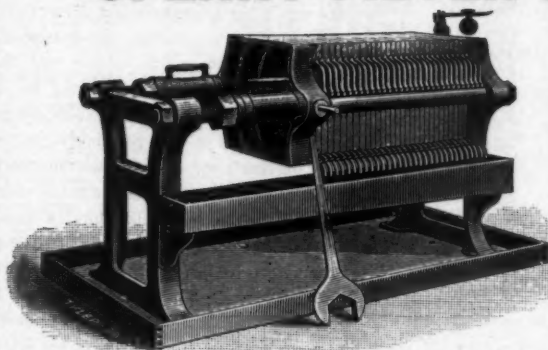
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 saves cloths, pro-
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 and is altogether
 better than the old
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FILL OUT THE COUPON ON
PAGE 26.

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 Soda, Soda Ash, and Chloride Calcium.

FULLERS EARTH,
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Refer to:—J. M. Horton Ice Cream Co.
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A Five Dollar Safe IN THE
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Will hold a large number of Deeds, Mortgages, In-
 surance Policies, Bonds, Stocks and other valuable
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ARE YOU OUT OF EMPLOYMENT?
DO YOU WANT A POSITION? TRY A
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DOPP'S
 Power Remelting Crotcher.
 PATENTED.

H. WM. DOPP & SON, THE LEADING
HOUSE.

MANUFACTURERS OF

SOAP MAKERS' AND BUTCHERS'
MACHINERY,

462 Ellicott Street, Buffalo, N. Y., U. S. A.

ONLY HIGH GRADE GOODS AND ABSOLUTELY THE BEST.

Seamless Steam Jacketed Cast-Iron Kettles, with and without Agi-
 tators, Improved Lard Dryer, Mixer and Cooler,
 Steam Jacketed Vacuum Pans, etc.

Full Line of Soap Makers' Machinery

Descriptive circular and catalogue on application.



DOPP'S STEAM JACKETED KETTLE.
 PATENTED.

ple for all requirements, and the microscopic applies only to pork products. A trade paper of the standing of "The National Provisioner" could do a vast amount of good by taking up this subject of the exports of American bacon and making it clear to all traders the necessary documents which should accompany export shipments, so that traders would know exactly where they stand at all times. Many of these have to gain this information through experience which, sometimes, is very costly."

Gets Water From Artesian Wells.

The Union Stockyards and Transit Company is one of the few concerns located within the limits of the city of Chicago not dependent on the municipal supply of water. Three decades ago or more, when the Stockyards were built, necessity figured as the progenitor of invention, and to secure the necessary supply of water the company was forced to bore wells. These were drilled through the rock that underlies the clay bed on which the yards are built, and were "gushers" at first, the water spurting to an altitude of 30 feet above the ground, where it was caught and retained in huge tanks. This made an ideal water supply, no power being needed to force it through the yards. But the wells were not equal to the demands on their resources, and the water level slowly sank. Pumps were soon necessary to fill the tanks and as the level still receded, force became a factor in driving the supply through the pipe system of the yards. Thirty years after the wells were first bored, instead of spurting 30 feet in the air, the surface of the water was fully that distance below the ground, and the pumps became useless. A huge air compressor was then constructed, and by the use of this the water is raised to a level, where the pumps can handle it. During seasons of protracted drought the water level in the wells is several feet lower than in wet weather.

The volume of water used daily in the Stockyards would be an adequate supply for a pretentious city. It is drawn from five wells, two being kept in reserve. Sufficient water for twenty-four hours is always kept in the reservoirs at the east end of the Forty-third street viaduct and these are not maintained solely as fish ponds, as many might suppose.

Several of the packing firms have artesian wells attached to their plants, but are partially dependent on the city service.

—A cold storage building is in course of construction at the slaughterhouse of the Walla Walla Dressed Meat Co., Walla Walla, Wash.

CHICAGO NOTES.

January cattle receipts in Chicago were 213,600 head, against 21,564 last month, 181,909 for January, 1897; 237,763 for January, 1896, 278,115 for January, 1895, and 286,683 for January, 1892.

January sheep receipts in Chicago were 322,000, against 295,503 last month and 272,906 received in January, 1897.

During the last week 2,605 horses arrived in Chicago, against 2,803 the preceding week and 1,959 the corresponding week last year.

Hogs packed at Chicago last week 131,300, against 128,100 the previous week, 123,800 a year ago and 91,900 two years ago. Armour slaughtered 30,000, Anglo-American 12,000, Boyd & Lunham 4,500, Chicago 7,100, Continental 11,100, Hammond 4,500, Lipton 8,500, Morris 9,000, Swift 21,500, International, 11,000, Viles & Robbins 4,100 and butchers' 8,000.

The Armour Packing Co. bought 43,005 hogs in Kansas City last week, which makes a new record.

The average weight of hogs has been steadily falling off for the last three months.

Combined receipts of hogs at Chicago, Kansas City, Omaha and St. Louis for January were 1,450,000, of which number Chicago alone received 757,000, or 64,000 more than the three outside markets combined. January, 1897, the four markets received 1,357,000; January, 1896, 1,240,000, and January, 1895, 1,442,000; January, 1893, only 1,000,000 arrived, while in 1891 the four markets received 1,648,000.

The 166,733 hogs received here last week averaged 231 lb. the lightest average since the week ending March 27, 1897, when the average was 227 lb. Average the previous week, 233 lb; a month ago, 238 lb; two months ago, 259 lb; a year ago, 241 lb, and two years ago, 242 lb.

It is claimed at the Stockyards that matured hogs are getting very scarce, nearly all having been marketed.

There were 5,646 carloads of live stock received in Chicago last week, against 5,418 the previous week, 5,007 a year ago, 4,957 two years ago, and 4,751 three years ago.

* An Australian contemporary says: "With regard to the wholesomeness of frozen meat the expert reports: 'Frozen meat is not less wholesome than meat not so treated. In fact, frozen meat is tenderer and more easily digested. The chemical constitution of frozen meat is not different to that of fresh meat. It may contain less water, but the water derived from ingested meat has no greater food value than water taken as such.'"

THE UNITED STATES EXPORT ASSOCIATION

A CO-OPERATION OF THE LEADING INTERESTS OF THIS COUNTRY TO SECURE A LARGER EXPORT BUSINESS; LIMITING THE INDIVIDUAL EXPENSE TO ONE HUNDRED DOLLARS PER YEAR.

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Second—By giving our manufacturers an opportunity to cultivate acquaintance and advertise their wares abroad through foreign bulletins sent out to the world's markets in different languages.

Third—By maintaining agencies throughout the world for gathering and disseminating information, of interest to ourselves and to our prospective customers, to the end that the merits of American goods may be known, and that they may be as easily procured in any market as is now possible with the products of England, France and Germany.

Fourth—By providing suitable offices in New York where foreign buyers upon their arrival in this country can find interpreters, obtain information, and meet the representatives of American manufacturers—all foreign correspondents to work in close connection with this office, thus forming an intelligent, far-reaching machinery for influencing trade.

Fifth—To furnish members translations of correspondence, information regarding customs laws and their changes, to answer inquiries regarding transportation, exchange, insurance and credits. To promote communication and reciprocity between the United States and foreign countries. To co-operate with and supplement the efforts of other organizations to the end of enlarging our export trade. The trend of the world's development is in our direction, and with intelligent and persistent effort, the center of exchange can gradually be transferred to this country, with all that it implies.

Sixth—The United States form the greatest producing country on the globe; our capacity to produce is fast exceeding our ability to consume; our fields, forests, mines and factories can supply the world; the ingenuity of our inventors is proverbial; the quality and utility of our products are recognized wherever introduced; with increasing facilities of communication "the field is the world," and with intelligent effort we can command a reasonable share of the world's trade. It will be the constant aim of the United States Export Association to make every effort to acquaint foreign countries with the greatness of this country and its ability to supply the world's wants.

Respectfully submitted,
U. S. EXPORT ASSOCIATION,
F. B. THURBER, President,
143 Chambers Street, New York.
Correspondence solicited.

KNUCKLE JOINT SCRAP PRESS.

THREE SIZES

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Also FERTILIZER PRESSES.

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...The...
**Manufacture of
 Cotton Seed Oil**
AND ALLIED PRODUCTS

NOTICE.

This book is now ready for delivery, price, \$3 per copy.

Registered postage, 25 cents. Send check or postal order for \$3.25.

TABLE OF CONTENTS.**COTTONSEED OIL MANUFACTURE:**

- a The fundamental principles of oil milling.
- b A systematic analysis of cake indispensable.
- c Extremes of temperatures in cooking the meals equally wasteful.
- d Short time pressing baneful in its results.
- e The steam pressure gauge an important factor.
- f The recording thermometer used to indicate past conditions present in heater.
- g Pressure and its correct application in the obtaining of extractable oil.
- h The recording hydraulic pressure gauge.
- i Modern heaters, their construction and operation.
- j The difficulty experienced in treating meals.
- k Hints to practical oil millers with regard to pressroom appliances and methods.
- l Refining and filter press classification.
- m Evils attending the use of the hair mat.
- n Hard cake and measures for its prevention.
- o The manufacture of cottonseed oil on a small scale incompatible with economy.

LATEST METHODS FOR REFINING OF COTTONSEED OIL:

Cottonseed Oil for soap making.

CAKE ANALYSIS:

Testing process, apparatus required, cost of same.

IMPORTANT ADDENDA:

FILTER PRESSES AND OTHER MACHINERY.

RULES REGULATING TRANSACTIONS IN COTTONSEED OIL AMONG MEMBERS OF THE NEW YORK PRODUCE EXCHANGE. BUTTERINE AND MARGARINE MANUFACTURERS IN EUROPE. COTTON OIL MILLS IN THE UNITED STATES.

The National Provisioner Publishing Co.

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A TWO-CENT MISTAKE

have the best—Allison's. Let us send you a cancelled sample free. For sale by the jobbing trade or by

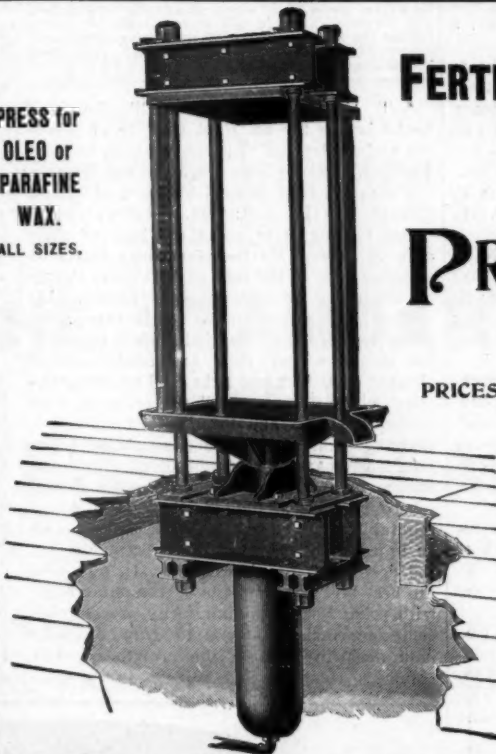
don't amount to much in any business, but the sticking point is that a clerk is just as liable to make a mistake of \$2.00 as he is of two cents, and a few mistakes like this would pay for enough of Allison's Coupon Books to last a year or more. With these books mistakes are impossible.

When A Man Wants Credit

for \$10.00 give him a \$10.00 Allison Coupon Book, charge him with this amount and there you are. No trouble at all. If he buys a plug of tobacco for ten cents, tear off a ten-cent coupon—that's all, and so on for all his purchases up to the limit of the book. NO PASS BOOK. NO CHARGING. NO TIME LOST. NO DISPUTES. NO ERRORS. There are other Coupon Books, of course, but why not

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**FERTILIZER PRESSES,
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... AND ...

PRESSES

FOR ALL PURPOSES.

PRICES QUOTED ON APPLICATION.

THE

**Hydraulic Press
 Manufacturing Co.**

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 No. 6 Harrison Street, New York City.

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 Cor. Canal and Randolph Street's, Chicago

MANY A DROOPING FORTUNE

HAS COME INTO THE SUN-
 SHINE OF PROSPERITY.....

BY PERUSING PAGE 45.

Established 1842.

JOHN P. SQUIRE & CO.'S

Incorporated 1892.

PURE KETTLE-RENDERED LEAF LARD

21, 23, 25 Faneull Hall Market, **BOSTON, MASS.** 39 and 40 North Market Street.

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**PACKING HOUSE
 MACHINERY
 OF ALL KINDS.**

EASTERN REPRESENTATIVE OF

V. D. ANDERSON CO., for Odorless Fertilizer Dryers.
 STEDMAN FOUNDRY AND MACHINE WORKS for
 Bone Crushers and Disintegrators.
 WEIR & CRAIG MFG. CO., Packing-House Machinery.

Complete Outfits for Pork and Beef-Packing Houses, Oleo-Oil
 and Butterine Factories, Lard Refineries, Fertilizer
 Works, Meat Canning and Beef Extract Factories.

REFRIGERATING PLANTS INSTALLED.

NEW CORPORATIONS.

The Shawnee Ice & Cold Storage Co., Shawnee, O. T., was incorporated with a capital stock of \$20,000. The directors are H. T. Beard, Shawnee; J. T. Bradley, Shawnee, and R. T. Lyons, Fort Smith, Ark.

The Southampton Ice Co., of Southampton, L. I., has been incorporated with a capital stock of \$25,000. The directors are John W. Kilbreth, Alexander L. Martin, James H. Pierson, John B. Cauldwell, Livingston Bowden and Edgar Hildreth, of Southampton, and Samuel L. Parish, of New York City. The company will make artificial ice.

The Ohio Salt Co., Charleston, W. Va., has been incorporated with a capital stock of \$150,000. The incorporators are J. H. Malcolm, W. C. Leonard, M. P. Spradling, Wm. Dils and A. C. Gunther.

The Woodward Bennett Co., of San José, Cal., was incorporated with a capital stock of \$50,000, to deal in live stock and conduct a butchering business.

Sayles-Zahn Company, of New York, to deal in meat and vegetables; capital, \$200,000. Directors—Solomon Sayles, Henry Zahn, Henry Zahn, Jr., M. C. Bradley and J. P. Nelson.

Black River Fertilizer Company, of Watertown; capital, \$25,000. Directors—William P. Casey, James H. Kinney and Frederick W. Britton.

The Two Bar Cattle Co., Lincoln, Neb., was incorporated with a capital stock of \$50,000. The incorporators are E. D. Gould, F. M. La Grange and Cyrus M. Baker. The headquarters of the company are at Fullerton.

The Richmond Dry Cold Storage Co., Richmond, Va., has been incorporated with a capital stock of \$10,000, to erect and establish cold storage plants in the city of Richmond and elsewhere. The following are the officers: President, R. A. Lancaster, Jr.; secretary and treasurer, John A. Lancaster.

The Skinner Cattle Co., Lampasas, Texas, has been incorporated with a capital stock of \$50,000, to deal in and raise cattle. J. F. Skinner, E. J. Marshall and J. F. White are interested.

The N. H. Talbott Manufacturing Co., Nashville, Tenn., has been incorporated with a capital stock of \$25,000, to manufacture glue, etc. The incorporators are N. H. Talbott, W. G. Ward, T. G. Montague and others.

ICE MACHINES.

Speaking of ice machines, we wish to call the attention of the trade to the advertisement of the Newburg (N. Y.) Ice Machine & Engine Co., on page 5 in this issue of "The National Provisioner." This company manufactures refrigerating apparatus from 1 to 500 tons capacity, so most anybody can be suited with this wide range—from the smallest butcher up to the largest packer. The Newburg Ice Machine & Engine Co. is fortunate in having for its president and manager such an able and energetic gentleman as is Edgar Penney. He was for some time the manager for the Frick Company, of Waynesboro, Pa., and the large experience he has gained eminently qualifies him for the responsible position he occupies at the head of a responsible company. The Newburg firm will be glad to have you write them for prices and will send a 64-page booklet for the asking.***

ENJOYS ITS WEEKLY VISITS.

Mr. W. R. Drueck, of Hammond, Ind., writes: "I have enjoyed the weekly visits of 'The National Provisioner,' and feel that I have been benefited so much that the mere \$4 subscription price is not to be considered a comparison."



BIRD PAPER MFG. CO.'S

CELEBRATED COMPOUND

INSULATING PAPER

For lining Cold Storage and Ice Houses, Refrigerators and Refrigerator Cars.

WATERPROOF, ACID PROOF, ALKALI PROOF.
AIR-TIGHT, ODORLESS, TASTELESS.

BIRD PAPER Mfg. Co.

98 MAIDEN LANE, NEW YORK.

PACKING HOUSE MATTERS
AND NOTES OF GENERAL INTEREST.

Persons contemplating the erection of packing houses or in need of packing house machinery will do well to make their wants known in this column. The foremost firms in the lines mentioned closely peruse the notes on this page, and prospective purchasers of machinery would be placed in immediate communication with them.

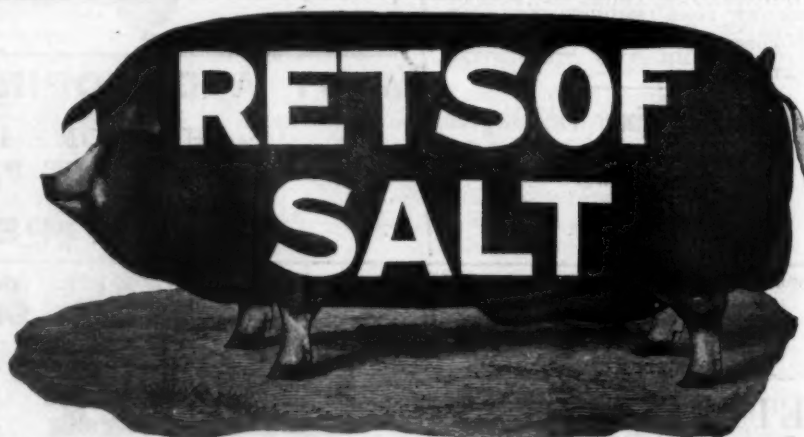
* T. F. B. Sotham, of Chillicothe, Mo., spoke before the St. Paul meeting of breeders and feeders on "Future Methods of Beef Feeding." He gave as a basis of his remarks the experience of Samuel Weaver, of Macon County, Ill. He said: "Mr. Weaver's aim in cattle feeding is to make the bulk of their gain on grass. He therefore buys calves at weaning time in the fall, winters them lightly on grain and an abundance of fodder. He wishes growth to be made at the expense of nerve food, so that the veal flesh is retained; the second winter they are again carried cheaply on fodder and light feed of grain; the third winter they are full fed on corn, with enough oil cake and bran to completely digest the corn. Corn, fodder, sorghum, clover hay, sheaf oats or any other fodder on hand are given for variety. On smaller farms, where pasture is limited, it will be found profitable to get calves on to full feed as early as practicable and keep up the pressure till the desired weight is attained. In any case the best beef is only made by beginning early with prime young animals. Any process that compels growing animals to draw on their milk flesh to promote the growth of their frame is wasteful and ruinous in its loss."

These are some of the needs and about all the feeds the successful feeder needs."

* Washington, Jan. 31.—The remarkable growth of the exports of Mexican cattle to the United States forms the subject of a report to the State Department from U. S. Consul Kindrick, at Ciudad Juarez. He says that while it was supposed the large exports were attributable to a desire to forestall the increased duties carried by the Dingley act, yet this has proven to be erroneous, for the trade goes on increasing steadily until the cattlemen in many cases have exhausted their herds, and all have realized handsomely. The Island of Cuba draws about 5,000 head per month, and the consul says that the price of cattle for home consumption in Mexico will soon rise to a point where they cannot be profitably handled. There are not many cattle left in Mexico, and the quality sent to the United States is of low grade that have no effect on prices in the Southwest.

* A big Texas steer butted through a fence at the stockyards, Chicago, Monday morning and ran westward. Two minutes later 300 people came screaming after him. In seven minutes the steer was on the open prairie, at bay. He caught Tom Burns, a cowboy, by the coat tails and threw him twenty feet. William Browne appeared with a shotgun and thundered, "Stand back, and I'll stop him." The steer started for Browne, a shot rang out, and a shriek went up from the crowd. Four men had been injured, as follows: John Pallinski, shot in legs; Peter Johnson, shot in shins; Henry Smith, shot in ankles, and James Ryan, shot in feet. The steer was lassoed.

* Wm. Harris & Co. have built one of the finest and largest abattoirs in Canada. It is located in Toronto, Ont., and is equipped with all the latest improvements.



Makes absolutely Pure Brine.
Gives the Mildest Cure and the Brightest Meat.
Produces the Finest Flavor and Gives Weight.
Prevents Ropy Pickle and Slimy Meats.

Use Retsof Salt on your Hides if you want to get Good Color and Good Weights. Retsof Salt has no equal for Ice Machines, or in the Manufacture of Soaps.

For Prices and Samples apply to

JOY MORTON & CO.,

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E. A. LEVIAN, 120 Milk St., Boston.
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DEALERS SALT, SAL SODA, SODA ASH.

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For Cold Storage Insulation.

Strong, Odorless, Airtight, Moisture Proof.

No wood in paper stock to rot.

No oil to dry out.

Will not deteriorate with age.



THE STANDARD

...FOR...



OVER TEN YEARS.

For preserving coils, pipes, tanks, wood or iron work exposed to acids, alkalies, or dampness, use

P ^{AND} B PAINTS

The Standard Paint Company,

Sole Manufacturers.

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81-83 John Street, New York.

Hamburg : Grimm 33.

London : 39 Victoria St., S. W.

ICE AND REFRIGERATION.

Those interested in this subject should not forget to look also at Packers' and Slaughterers' Notes, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and each wanting to dispose of machinery or desiring to purchase same should look at our **WANT AND FOR SALE COLUMN** on page 48.

The Patchogue Ice Mfg. and Cold Storage Co., Patchogue, N. Y., has been incorporated, with a capital stock of \$20,000. The directors are Henry Gillette, H. C. Losee, W. H. Jaycox, James R. Skinner and Terry Robinson, Patchogue.

Fire destroyed the extensive Pottstown (Pa.) cold storage and ice plant last Saturday. The loss is about \$40,000, fully insured. The building will be rebuilt as soon as the insurance is adjusted.

The Beale street market house of Memphis, Tenn., is ready for occupation. Among its most interesting features are its cold storage plant, built by the Vilter Mfg. Co.

Westinghouse, Church, Kerr & Co., of New York, are installing for George Herold, meat market, Second avenue and 111th street, New York, one complete 8-ton refrigerating plant, with 25 h. p. boiler and complete steam plant; also for I. Steigewald, meat market, 223 First avenue, New York, one 4-ton refrigerating plant, with Westinghouse gas engine, dynamo and electric lighting apparatus. The company is also furnishing a 15-ton ice plant for the Diamond Ice Co., of Newport, R. I., which is an addition to the original plant furnished them three years ago.

The Armour Packing Co., Kansas City, Mo., has purchased another new ice making machine, which will be placed in operation at the packinghouse during the next three months. It will have a capacity of 400 tons daily, and will be one of the biggest machines in use in the West. The Armour Co. last year enlarged its capacity for making artificial ice

and this year another enlargement is found necessary.

The York Manufacturing Co., York, Pa., will build two 18-ton refrigerating machines at Worcester, Mass., for M. G. Stevens, and a 10-ton freezing system for the York Ice & Refrigerating Co., at York. They also have contracts for a 30-ton ice plant at Fresno, Cal.; a 400-ton refrigerating machine at Kansas City, Mo.; a 15-ton ice machine at Newport, R. I.; a 15-ton refrigerating plant at Lock Haven, Pa.; a 25-ton ice plant at Greenfield, Ind.; two 40-ton refrigerating machines and a 15-ton ice machine at Columbia, Pa., and a 6-ton refrigerating plant for New York City.

The Edward P. Allis Co., of Milwaukee, Wis., are building an ice machine of 50-ton capacity for the Parsons (Kan.) Cold Storage & Crystal Ice Co. The Allis Co. are also installing a 50-ton refrigerating plant for the North American Provision Co., of Chicago, and have recently shipped a large amount of refrigerating machinery, as already noted in this paper, to Australia.

The Fred W. Wolf Co., of Chicago, have recently closed the following contracts: 25-ton condenser for Anniston Ice Co., Anniston, Ala.; 50-ton condenser for Herl-Rendlen & Co., Hannibal, Mo.; direct expansion piping, Campana Cervecera, Toluca, Mexico; direct expansion piping, Jno. Gund Brg. Co., LaCrosse, Wis.; direct expansion piping, Central City Ice Co., Macon, Ga.; 12-ton refrigerating plant, John Semrad & Bros., Highland, Wis., and a 50-ton ice tank piping for the Nashville Packing Co., Nashville, Tenn.

The Frick Company, of Waynesboro, Pa., are enjoying their share of business, and have closed the following contracts: The Stacey Cheese Co., of Little Falls, N. Y., a complete 10-ton refrigerating plant; J. B. Smith, of Crockett, Texas, one of their latest improved 6-ton ice machines; the Gulf Brewing Co., of Utica, N. Y., a complete 10-ton refrigerating plant; Coffin, Fletcher & Co., of Indianapolis, for a complete 60-ton direct expansion plant to be erected in their abattoir in that city; the Cudahy Packing Co., of Omaha, Neb., one 200-ton compression side and one 200-ton brine tank system to be erected at their plant in Sioux City, Neb. This machine is similar to the two 200-ton machines just sold to Armour & Co., of the same city. The Consumers' Ice Co., of Memphis, Tenn., a 35-ton compression side, in order to increase their present plant, as is necessary to meet the demands.



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Absolutely Air Tight and Moisture Proof.

Strong and Entirely Odorless.

Will Not Deteriorate With Age.

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NEWYORK.

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Wood and Iron Work Exposed to
Dampness, Acids or Alkalies.



GENERATOR—Pat. Jan. 24, 1888, and Sept. 23, 1890.

FACTS. All Ice Manufacturers know that there are inferior Ice and Refrigerating Machines built.

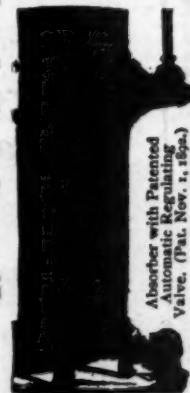
We stand ready to challenge any builders to show that our machines are not as efficient and economical as are offered in the market.

We invite correspondence. Should any contemplative purchasers wish any information, write us and we will cheerfully give it our prompt attention and send illustrated catalogue.

HENRY VOGT MACHINE CO. LOUISVILLE, KY.

**BUILDERS OF LATEST IMPROVED
ICE AND REFRIGERATING
MACHINES.**

ATMOSPHERIC CONDENSER, COILS, TANKS
FURNISHED FOR ANY MACHINES.



Absorber with Patented
Automatic Regulating
Valve. (Pat. Nov. 1, 1894.)

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For **PACKERS, BUTCHERS,
COLD STORAGE,
WAREHOUSES, ETC.**

A First-Class Plant Pays.

**DIRECT EXPANSION,
BRINE STORAGE, and
BRINE CIRCULATING SYSTEMS.**



STALLMAN COMPRESSOR.

We are the Sole Manufacturers of the
STALLMAN COMPRESSOR

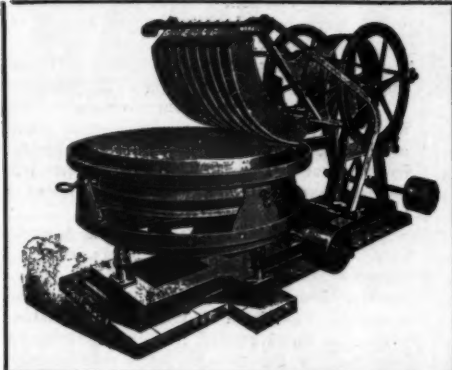
For Simplicity, Durability, Efficiency and Economy
in operation, THEY HAVE NO EQUAL.

OUR SPECIALTY:
2, 4, and 6-TON MACHINES FOR SMALL PLANTS.

For Power we furnish **ELECTRIC MOTORS,
GAS, GASOLINE or STEAM ENGINES.** Estimates
and Descriptive Circulars cheerfully furnished.

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ELEVATOR MFG. CO.**
Patentees of the
BRODESSER and STEIN POWER ROCKER
(formerly called Daisy Steam Rocker).



MILWAUKEE, WIS. NAMES OF PARTIES USING OUR PAT'D
POWER ROCKER. Knife
Machines.

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Armour & Co., Chicago.....3 No. 9
Cudahy Packing Co., South Omaha.....1 No. 9
A. L. Luetgert, Chicago.....11 No. 9
Fred. Katz, California Market.....1 No. 9
Richard Guth, St. Louis.....1 No. 9
Leo Taube, Detroit, Mich.....1 No. 9
R. Kretschmar, Milwaukee.....1 No. 9
Karl Scheidler, Milwaukee.....1 No. 9
Fred Usinger, Milwaukee.....3 No. 9
Nelson, Morris & Co., Chicago.....2 No. 9
Swift and Company, Kansas City.....1 No. 9
Chas. Hess, Milwaukee.....3 No. 9
Chas. Schnell, Portage, Ill.....1 No. 9
Viles & Robbins, Chicago.....3 No. 9
Anglo-American Prov. Co., Chicago.....2 No. 9
G. Huniford & Co., U. Stock Yards,
Chicago.....1 No. 9
Underwood & Co., U. Stock Yards,
Chicago.....2 No. 9
Veilauer & Hoffman, Milwaukee.....1 No. 9
H. Wendt, Chicago.....3 No. 9
Theodore Berg, Chicago.....2 No. 9
L. Frank & Son, Milwaukee.....1 No. 9
Blumenhagen & Epling, Chicago.....1 No. 9
T. J. Lipton & Co., Chicago.....1 No. 9
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And Many Others.

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Cleaner of and Dealer in
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BENTLEY & GERWIG, Limited,
MANUFACTURERS OF

ROPE, TWINE and CORDAGE,

Hide Ropes, Pork Packers and Sausage Twine a specialty. Cotton Waste, etc.

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DESIGNS AND ESTIMATES SUBMITTED.

Want and For Sale ADS on Page 45.

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also Sweet Pickled and Smoked
Meats, Kettle-Rendered Lard,
etc.

We are in the great Iowa cattle and hog
belt and think we can do you some good.

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Manufacturers and Jobbers.

DAVENPORT, IOWA.

Wurstmacher!

SAUSAGE MAKERS!
SAUSAGE MAKERS!

BUTHERS

who desire one of the following books on
Sausage Making, etc.

Bücher für Fleischer und Delicatesswaarenhändler.

ANFERTIGUNG der Fleischwurst. Anleitung zur Her-
stellung einer fein schmeckenden Cervelatwurst. \$0.75
Dr. BARLONNET. Die Musterung der Hausthiere
nebst genauer Angabe derjenigen Stellen, durch deren
Befühlen eine genaue Gewichts- und Fettabschätzung
ermöglicht wird. Mit 58 Abbildungen. \$0.75.

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und zwar des Fleisches, Herstellung des Fleisch-
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Fleischwaaren-Fabrikation. \$1.10; cl. \$1.25.

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PACKING HOUSE MATTERS AND NOTES OF GENERAL INTEREST.

* The Pittsburg Provision Co. on Monday opened a branch house in the Pittsburg Market, Diamond square, and announce that they are prepared to supply the trade on short notice with choice home dressed meats, either in whole carcass or cuts, such as ribs, loins, chucks, rattlers, plates, etc., and will carry a full line of provisions, sausages and bologna. Mr. George M. Jacob is the manager of the branch house.

* It was stated Sunday in Chicago that packinghouse products are to be exported from Chicago by way of Kansas City and Port Arthur at a saving of from 7 cents to 10 cents per 100 pounds as compared with present rates by way of New York and Boston. The Kansas City, Pittsburg & Gulf Railway has arranged for a line of steamers to ply between its Gulf terminal and Continental ports.

* John Duff & Co., 216 York street, Hamilton, Ont., have completed one of the finest retail markets in the United States or Canada. Any member of the trade visiting Canada ought to inspect it.

* The plant of the Peoria Packing and Provision Co., Peoria, Ill., which suspended operations some time ago, will be sold to wind up its affairs. The plant, when originally erected, cost about \$270,000.

* The heavy snowstorms have retarded the shipment of meats from Chicago, causing a temporary shortage in the market and a consequent increase of about 50¢@60¢. per 100 lb.

* The Schwarzschild & Sulzberger Co. will put up a plant in St. Joseph, Mo. A nineteen-acre lot of ground has been purchased near Swift and Company's plant, in the southern part of the city. Contracts will be let immediately.

* It will be good news to the people of Tampa, Fla., to know that Armour & Co. have decided to erect a large and commodious meat and provision house in that city, similar to the one that has been located in Jacksonville for a number of years. The structure

will be of brick and will be equipped with all modern facilities for the business, and will have cold storage for keeping the meats.

* Porter Bros.' packinghouse, in North Ontario, Cal., is nearly completed, under the effective management of John Gervy. It will be about 50 by 100 feet, with a commodious cellar beneath.

* The Dold packinghouse, Wichita, Kan., in its fiscal year, closing last October, bought 144,006 hogs. The total weight was 33,436,918 lb., and the money paid for them was \$1,067,769.34. The number of persons employed by Dold was 205 and the pay roll for the year amounted to \$75,400. In 1897 they shipped out 789 carloads. In preparing this product 5,000 tons of coal were used and 2,056,000 lb. of salt.

* The South Omaha Live Stock Exchange is being prosecuted by the United States, charged with existing in violation of the Sherman anti-trust law. A similar proceeding was recently ended in the Federal courts against the Kansas City Stockyard Exchange and was decided against the exchange. An appeal was taken to the Supreme Court of the United States, where the case is now pending.

* Secretary Phelan, of the State Railroad Commission, who has extensive cattle holdings in the western part of North Dakota, has just returned from a trip through the ranges and says: "Never in the history of the West as a stock country have cattle and sheep at this time of year been as fat and sleek as now. Ordinarily at this season range cattle are growing thin, from the scarcity of feed, and continue to lose flesh until the grass starts in the spring, when they fatten rapidly. But at this time cattle on the ranges are sleek and fat, and heaves next year will weigh 100 to 200 lb. more than the ordinary weight. Sheep also are thriving, and there will be a heavy and abundant wool clip. Stock cattle are not to be purchased. Buyers have cleaned up every salable head of stock. Fancy prices have been offered for stock cattle, but they are not to be had. I am experimenting with 150 head of calves in Minnesota, feeding them on hay, corn stalks, with a little grain, and believe the experiment will be a success. As soon as spring opens they will be brought to the ranges and turned loose to do for themselves."

ICE AND REFRIGERATION.

—There is considerable talk of building an ice plant in Newton, Kan. This action is made absolutely necessary from the fact that no ice has been cut there this winter.

—William Hardon, of Quincy, Fla., is erecting a large brick building where he will install an ice plant.

—The Jacksonville Refrigerator Ice Works, Jacksonville, Fla., will increase the capacity of its plant. These improvements will include the addition of a cold storage plant, a freezing room and a storage capacity for ice of about 300 tons. The enlargements will be commenced at once and pushed forward to completion as rapidly as possible.

—The Citizens' Cold Storage Co., Atlantic City, N. J., whose building was recently gutted by fire is soon to be rebuilt.

—Mr. Jerome, the representative of the Armours, has been engaged in Houston, Texas, in looking over the various suitable localities for the erection of a cold storage plant for his people. He had little or nothing to say on the subject, but it is learned one of the railroads, and the agent of the company, with two of the directors, has agreed with him upon terms. The site selected is not far from the wharves and warehouses of the Houston Direct Navigation Co., on the bayou, and also near the Galveston, Houston & Henderson and other tracks. It is understood that the Swifts are making a movement to make a similar purchase here.

—The Schlitz Brewing Co. will build a cold storage and ice manufacturing plant in Wichita, Kan.


—Petersburg, Pike County, Ind., will secure a large artificial ice plant. F. E. Kramer, of Elwood, Ind., is interested.

—Welch Bros., North Rose, N. Y., are about to erect a new cold storage building.

—The new cold storage building of the Cudahy Packing Co., at Beaver Falls, Pa., will be commenced soon.

—The Parkersburg Ice Co., Parkersburg, W. Va., will erect a cold storage plant costing about \$10,000.



—The Klondike Cold Storage Co., of Reading, Pa., will erect a cold storage building at once. The building will be of brick and 46x70 feet in dimensions.



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" " " " Fall River, "
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OLEO AND NEUTRAL LARD.

(MARGARINE.)

The oleo oil market during the week under review shows many signs of strength. The choice oil which was this week on spot in Rotterdam has practically all been cleared at 36 florins. For choice unpressed oleo stock 33 florins has been paid. The steamer "Amsterdam" is due in Rotterdam at any moment with but a moderate quantity of oil on board. The present prospects are for firm prices of oleo oil in the near future.

The neutral lard market remains steady, with a strong undercurrent, owing to strength at all Western packing centers.

Feb. 4—Supreme Extra, 35; Knickerbocker, 27. 400 tierces sold.

The use of cottonseed oil in Europe at present for butterine purposes is moderate, as they have a very mild winter, and consequently use less of this kind of oil.

SALES OF OLEO OIL IN ROTTERDAM.

The following sales were cable for the week ending Feb. 4:

Jan. 29. Swift Extra sold at 36 florins.

" 29. Monarch sold at 33 florins.

" 29. Brilliant Extra sold at 32 florins.

Sales this week, 1,800 tcs.

Stock to-day, 3,500 tcs.

" 31. United sold at 36 florins.

" 31. Eastman Extra sold at 36 florins.

" 31. Morris Extra sold at 36 florins.

" 31. Orange King sold at 36 florins.

" 31. Swift Extra sold at 36 florins.

" 31. Monarch sold at 33 florins.

" 31. Brilliant Extra sold at 32 florins.

" 31. Englewood sold at 29 florins.

1,500 tcs. sold.

Feb. 1. Harrison sold at 36 florins.

" 1. Swift's Extra sold at 36 florins.

" 1. Orange King sold at 36 florins.

" 1. Monarch sold at 33 1/4 florins.

" 1. Netherland sold at 31 florins.

500 tcs. sold.

" 2. Harrison sold at 36 florins.

" 2. Morris Extra sold at 36 florins.

" 2. Swift Extra stock sold at 33 florins.

" 2. Knickerbocker sold at 28 florins.

400 tcs. sold.

" 3. Supreme Extra sold at 36 florins.

180 tcs. sold.

" 4. Supreme Extra sold at 35 florins.

" 4. Knickerbocker sold at 27 florins.

400 tcs. sold.

Exports of Oleo Oil to Rotterdam.

Jan. 29. Per Stmr. Rotterdam—United, 175; Isaac's 28; Butchers' F. M. Co., 200; Hammond 150; Fastman 140; Swift, 515; Armour & Co., 260; Armour P. Co., 300; S. & S., 618. Total, 2,441 tcs.

Jan. 31. Per Stmr. Delano—Morris, 660; Pittsburg 60. Total, 720 tcs.

Neutral Lard.

Jan. 29. Per Stmr. Rotterdam—Swift, 530.

Jan. 31. Per Stmr. Delano—Cudaby Packing Co., 25; Chicago P. & P. Co., 250; Friedman, 300; International, 225. Total, 800 tcs.

CANNING.

Mr. Ernest F. Schwanb has written a book called "The Secrets of Canning," which is advertised in this paper. The work is highly indorsed by the press and is valuable in the lines of canning it covers.

USE KONSERVIRUNGS-SALZE.

Instead of using saltwater for curing, use Rudolph Gebhard's Red Berliner Konservirungs-Salze.***

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Cold Storage Houses **Refrigerators**
Cars, Etc.

WATERPROOF AIR TIGHT, CLEAN, A HIGH NON-CONDUCTOR AND ABSOLUTELY ODORLESS.

SAMPLES AND PRICES ON APPLICATION TO
F. W. BIRD & SON,
EAST WALPOLE, MASS.
THIS PAPER IS ACCEPTED BY EXPERTS
AS THE STANDARD OF PERFECTION

CHICAGO PROVISION MARKET.

The report of stocks officially made known to be smaller than generally expected by the trade showed the rapidity with which the products are going into consumption. As a consequence there has been a sharp up-turn to the market. Except for the break which occurred earlier in the week, provisions have kept advancing. But the provision opinion is rather mixed. Packers are said to be pretty well sold up, and they are in no condition to break prices. There is no reason to doubt that provisions will advance still further, but there will be an occasional break. A prominent packer received a letter under date of Feb. 1 from his Western house, situated in one of the best hog territories along the Missouri River, in which he was told that all the marketable hogs in that territory, and especially in that immediate neighborhood were getting pretty well thinned out, and that there would be no use in looking for liberal receipts of hogs before the end of March or April. The trade is thinking this way, too, and everything looks as bullish, as it did last week. Those who want to make money can do so by buying on the little breaks that occur in the market every few days, though plenty can be made in buying on the bulges. Conservatives should bear in mind that there has been a good advance scored during January. The market by days follows:

Saturday, Jan. 29: Provision prices scarce-

ly moved. Packers seemed to be leaving the market alone, and scalpers did very little. There were 28,000 hogs, a liberal run for Saturday, with prices firm. At the seven Western points there were 55,000 hogs, against 34,000 last year. Closing prices for May were: Pork, \$10; lard, \$4.90, and ribs, \$4.92 1/2.

Monday Jan. 31: Provisions felt the weakness of the grain markets, but there was no important decline. Pork closed 10c. under Saturday; lard, 5 1/2 @ 7 1/2 c. under, and ribs, 2 1/2 @ 5 c. under. There were 38,000 hogs, with 67,000 at the seven Western points. Packers were sharp buyers of hogs and prices ruled 5c. higher. Cudaby sold lard, Swift sold ribs, and the Chicago Packing Company bought ribs. There was, however, no important trade one way or the other.

Tuesday, Feb. 1: There was enough selling of long provisions to cost the market something all around. Pork lost 10c.; lard and ribs, 5c. There were 30,000 hogs, with prices 5 @ 10c. lower. At the seven Western points there were 75,000 hogs, against 76,000 a year ago. Commission houses did most of the trade.

Wednesday, Feb. 2: The market opened firm and a shade higher, and under a good and persistent demand became strong and rose to the best prices of the season. Business was active and on a heavy scale. One sale was for 3,000,000 ribs, one-half each for May and July. Highest prices for the day for

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Smith's Patent Celebrated Buffalo Choppers with Self-Mixers, used the World over.

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Chops and mixes 30 lbs. fine
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Send for Lowest Prices.

**BUFFALO SPICE MILL**

Best Mill ever put on the Market.
It pays to grind your own spice, then
you know it is pure.

Buffalo Chopper, Chops, Stirs and
Mixes at one time.

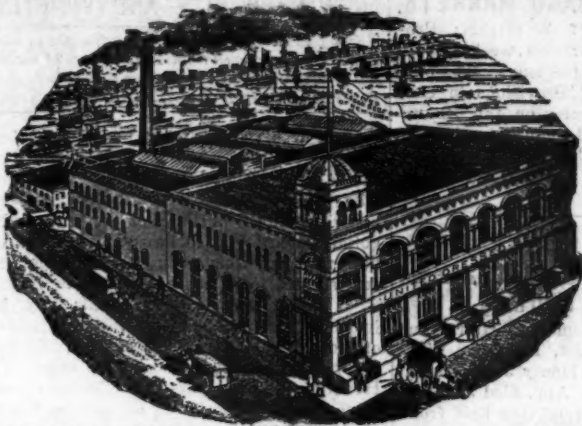
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Swift Provision Co., Cor. 13th st. and 10th ave.
G. F. Swift & Co., Manhattan Market (W. 35th st.).
Swift Sheep & Prov'n Co., 11th ave., 34th and 35th sts.

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Swift Brothers, Wallabout Market.

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TIERCES.

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Registered Cable Address "Roomfull." New York

See Coupon on Page 26.

PLANKINTON
PACKING CO.,

PORK AND BEEF PACKERS
AND PROVISION DEALERS.
MILWAUKEE, WIS.

May were: Pork, \$10.12½; lard, 4.92½; ribs, \$5.02½. The gains at the close were: Pork, 27½c.; lard, 10c., and ribs, 7½c. The local run of hogs was 34,000 head.

Thursday, Feb. 3: Provisions were strong and made a further advance, which was ascribed to the small hog receipts, only 18,000 for the day, all of which were light weight. May pork sold up to \$10.25; lard to \$4.95; ribs to \$5.05. Pork eased off to \$10.20 at the close, in sympathy with wheat; lard and ribs closed at top prices.

Friday, Feb. 4: Provisions opened weak, hog receipts being 23,000, somewhat more than anticipated, with prices at the yards 2½@5c. lower. Continued buying by John Cudahy stiffened the market, which closed at an advance of yesterday. Closing prices for May delivery were: Pork, \$10.27½; lard, \$4.95@4.97½; ribs, \$5.07½@5.10. Hog receipts at the seven Western points were 56,000.

RANGE OF PRICES.

SATURDAY, JAN. 29.

	Open.	High.	Low.	Close.
PORK—(Per Barrel)—				
January.....	9.80	9.80	9.80	9.80
May.....	9.97½	10.02½	9.97½	10.00
July.....				10.10
LARD—(Per 100 lb)—				
January.....	4.82½	4.82½	4.82½	4.82½
May.....	4.90	4.90	4.87½	4.90
July.....	4.97½	4.97½	4.97½	4.97½
RIBS—(Boxed 25c. more than loose)—				
January.....				4.85
May.....	4.90	4.92½	4.87½	4.90
July.....	5.00			4.97½

MONDAY, JAN. 31.

	Open.	High.	Low.	Close.
PORK—(Per Barrel)—				
January.....	9.72½	9.80	9.72½	9.80
May.....	10.00	10.00	9.90	9.90
July.....	10.00	10.00	10.00	10.00
LARD—(Per 100 lb)—				
January.....	4.77½	4.77½	4.75	4.75
May.....	4.87½	4.90	4.82½	4.85
July.....	4.97½	4.97½	4.97½	4.92½
RIBS—(Boxed 25c. more than loose)—				
January.....				4.85
May.....	4.90	4.92½	4.87½	4.90
July.....	4.97½	5.00	4.97½	4.97½

TUESDAY, FEB. 1.

	Open.	High.	Low.	Close.
PORK—(Per Barrel)—				
May.....	9.90	9.95	9.87½	9.80
July.....	9.90	9.90	9.90	9.90
LARD—(Per 100 lb)—				
May.....	4.85	4.85	4.77½	4.80
July.....	4.92½	4.95	4.87½	4.87½
RIBS—(Boxed 25c. more than loose)—				
May.....	4.87½	4.90	4.80	4.85
July.....	4.97½	4.97½	4.90	4.92½

WEDNESDAY, FEB. 2.

	Open.	High.	Low.	Close.
PORK—(Per Barrel)—				
May.....	9.85	10.12½	9.82½	10.07½
July.....	9.90	10.20	9.87½	10.17½
LARD—(Per 100 lb)—				
May.....	4.82½	4.92½	4.80	4.90
July.....	4.90	5.00	4.87½	5.00
RIBS—(Boxed 25c. more than loose)—				
May.....	4.87½	5.02½	4.82½	5.00
July.....	4.97½	5.10	4.95	5.10

THURSDAY, FEB. 3.

	Open.	High.	Low.	Close.
PORK—(Per Barrel)—				
May.....	10.10	10.25	10.10	10.20
July.....	10.30	10.32½	10.22½	10.27½
LARD—(Per 100 lb)—				
May.....	4.92½	4.95	4.90	4.92½
July.....	5.02½	5.05	5.00	5.02½
RIBS—(Boxed 25c. more than loose)—				
May.....	5.05	5.07½	5.02½	5.05
July.....	5.15	5.15	5.12½	5.12½

FRIDAY, FEBRUARY 4.

	Open.	High.	Low.	Close.
PORK—(Per Barrel)—				
May.....	10.15	10.27½	10.07½	10.27½
July.....	10.20	10.37½	10.17½	10.37½
LARD—(Per 100 lb)—				
May.....	4.90	4.97½	4.87½	4.95
July.....	5.05	5.05	4.97½	5.05
RIBS—(Boxed 25c. more than loose)—				
May.....	5.00	5.10	4.97½	5.07½
July.....	5.10	5.17½	5.05	5.17½

W. THOS. NASH,
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Provisions, Lard, Grease, Etc.
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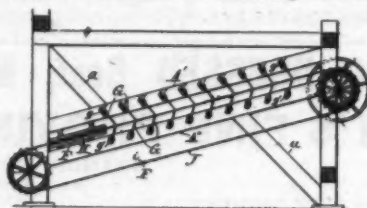
TIPS ON THE CHICAGO MARKETS.

Counselman-Day say of the market: Provisions have ruled lower this week on account of the realizing by the longs. The official report of Stocks of Provisions in Chicago at the close of business on Jan. 31 are less on lard and ribs, and more on pork than expected by the trade. Cash demand is poor, and we look for packers to sell freely on every small advance.

INVENTIVE GENIUS.

Patents, Trade-Marks, Etc., Granted in Washington on February 1.

598,204.—Machine for Removing Hair from Hides. N. A. Lundquist, Kenosha, Wis., assignor of one-half to Henry J. Hastings, Kenosha County, Wis. App. filed July 23, 1894. A machine for removing hair from



hides, consisting in the combination with a supporting frame, of a revolving carrier, one or more hide-supporting bars connected therewith, and oppositely disposed scraping-plates arranged in series, and slanting rearwardly into the path of said bars.

598,352.—Animal-Poke. Samuel F. Webb, Pond Creek, Okla. App. filed June 7, 1897. In an animal-poke, a neck-yoke formed of



two parts, a spring-hinge connecting said parts at one end, and a detachable connection at their other end, and hooked arms extending from the yoke, combined with cheek-pieces, a nose-yoke and a nose clamp.

LIVERPOOL QUOTATIONS.

Liverpool, Feb. 4—3:45 P. M.—Exchange.—Beef—Firm; extra India mess, 66s. 3d.; prime mess, 56s. 3d. Pork—Firm; prime mess gue Western, 47s. 6d.; prime mess medium Western, 45s. Hams—Short cut, 14 to 16 lb, dull, 35s. Bacon—Firm; Cumberland cut, 28 to 30 lb, 29s. 6d.; short rib, 20 to 24 lb, 29s.; long clear middles, light, 35 to 38 lb, 29s. 6d.; long clear middles, heavy, 40 to 45 lb, 29s.; short clear backs, 16 to 18 lb, 28s.; clear bellies, 12 to 14 lb, 32s. Shoulders—Square, 12 to 14 lb, firm, 26s. Lard—Prime Western, steady, 25s. 9d. Cheese—American finest white and colored, dull, 41s. Tallow—Prime city, 19s. Cottonseed Oil—Liverpool refined, dull, 15s.

* The Coffin, Fletcher House, of Indianapolis, is rapidly being put in shape as a summer killing house. The new power house, 60 by 80, is all completed, and work has begun on the new killing house, smokehouses, etc. The contracting work is being done by local parties. The contract for the ice machine has been awarded to the Frick Company, of Waynesborough, while the other iron work, including refinery, fertilizer department, all being furnished by Messrs. William R. Perlin & Co., of Chicago, who were architects for the whole of the new improvements.

NEW YORK CITY AND VICINITY.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 40.

** It was reported that negotiations have been pending for several weeks between two of the largest slaughter houses in New York City, whereby the smaller of the two would absorb the local business of the larger. Negotiations are said to have been broken off, however, early this week at a time when the deal seemed to be nearest consummation.

** Walter A. Banta, of this city, has just closed contracts with Dillon & Douglas, of New Haven, Conn., for a new cold storage plant for butter, cheese and eggs. The Hendrick Mfg. Co. puts in the 12-ton ice machine for the same firm. Banta also reports securing the contract for a new cold storage plant and extensive alterations for the International Provision and Packing Co., 33 Degraw street, Brooklyn, N. Y.

** Otto C. Delfs, a butcher of 1202 Third avenue, New York City, committed suicide on Saturday morning last, by inhaling gas in the office at the rear of his market. Business troubles appear to be the cause, as it is stated that on or about Jan. 15, 1897, a mortgage appears given to N. Peirson for \$500. He leaves a wife and several children.

** The Board of Health meat inspectors this week condemned the following quantities of meat: 36 calves, 1,710 lb; 2,800 lb beef; 100 lb veal; 200 lb sheep; 2 hogs, 150 lb; 21 barrels poultry, 4,200 lb; 2,800 lb game.

** Extensive alterations have this week been made in the meat market of John Tipper, Englewood, N. J.

** Chas. Bardes, New Brighton, S. I., put in a new fish and poultry box and had several minor alterations made in his market during the week.

** G. Strauss, New Brighton, S. I., had his ice box enlarged and the interior of his market remodeled, for the better handling of his extensive trade. Jas. McLean, of this city, made the alterations.

** Chas. Higgins, 619 Madison avenue, city, has also had alterations made in his market, enlarging the same to meet the demand of his growing business.

N. Y. PRODUCE EXCHANGE NOTES.

There were at the meeting of the Board of Managers of the Exchange, Feb. 3, fully eleven new members elected, viz., T. J. Aherns, Jr. (Furness, Withey & Co., Limited, S. S. agents); J. H. Benedict (Norton & Son, S. S. agents); Geo. E. Cathcart (John P. Truesdell Co., grain); E. B. Hutchinson (F. M. Duche & Son, exporters); Walter L. Lascelles (A. S. Lascelles & Co., export and commission); James W. McVea (L. A. Morey, grain); Urmont S. Paige (flour broker); Geo. H. Thompson (Allen, Thompson & Allen, dried fruits); L. A. May (May, McElwer & Paine, stocks, bonds and grain); W. H. C. Jurgens (W. B. A. Jurgens); P. B. Wear (P. B. Wear & Co., grain).

Proposed for membership: Henry Pope Mulhall, grain, proposed by William Knight; N. S. C. Kachemacher, import and export, proposed by R. Meuller; H. Wulter Volckens, ship broker, proposed by Alex. Munn; Edward Keusch, flour, proposed by D. E. Bedell; Charles Henry Grant, hog slaughterer, proposed by Frank Brainard.

LOUISVILLE COTTON OIL MARKET.

(Special Telegram to "The National Provisioner.")

Louisville, Ky., Feb. 4, 1898.—Market weak; 15c. bid for Mississippi Valley oil; 14c. for Texas and 14@14½c. for Georgia and Alabama, according to freight rates.

~BERTH LEVI & CO.,~

82 PEARL STREET, NEW YORK.

19 MICHIGAN AVENUE, CHICAGO.

HOG AND BEEF CASINGS.

Importers of English, Russian and New Zealand Sheep Casings.

BEST GERMAN POTATO FLOUR.

FOOD PRESERVATIVE (DRY ANTISEPTIC.)

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Chicago: Union Stock Yards.

London: 118 Great Suffolk Street.

Illinois Casing Company,

Cleaners and Importers of

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102 Michigan Street, Chicago.

JOSEPH BACHARACH,

(Established 1876.)

IMPORTER AND EXPORTER

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KINDS OF

SAUSAGES

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Hog Casings.

"THE BEST."

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PLAUT & STRETCH,

Importers and Jobbers of SPICES,

"PURITY SPICE MILLS,"

80 Pearl Street, New York.

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Sausage Making Trades a specialty.

QUOTATIONS AND SAMPLES SENT TO ANY ADDRESS

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GRANULATED, POWDERED, CRYSTALS. ... MANUFACTURERS AND REFINERS. ...

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The Hamburg-American Line is the oldest German line and the largest steamship company in the world. It has a fleet of 68 ocean steamers, of which 18 are large new twin-screw passenger ships. This is a larger number than any other line possesses. The Hamburg-American is THE ONLY LINE carrying cabin passengers EXCLUSIVELY by twin-screw steamers.

TWIN-SCREW EXPRESS SERVICE.

New York-Plymouth (London)-Cherbourg, (Paris)-Hamburg
Holding the record for fastest time on this route.

Fürst Bismarck, Feb. 26, 9 a.m. | Normannia, Mar. 24, 9 a.m.

Twin-Screw Mail Service between NEW YORK and HAMBURG direct.

*Alisia, Feb. 5, 3 p.m. | Arabia, Feb. 10, 3.30 p.m.

Palatia, Feb. 12, 9 a.m. | Prussia, Feb. 26, 9 a.m.

The Pennsylvania is the largest carrier afloat.

Steamers marked thus (*) take no Cabin Passengers.

BALTIC LINE TO CHRISTIANA, COPENHAGEN and STETTIN.

Georgia, Feb. 12, 2 p.m.

Winter Cruise to Madeira, the Mediterranean and the Orient, from New York by steamship Auguste Victoria January 27, 1898. For further particulars, illustrated pamphlet, rates, etc., apply to

Hamburg-American Line.

37 Broadway, New York, 189 Randolph St., Chicago.

A. ZIMMER, Sheep Buyer. JOHN ENOCH, Cattle Buyer.
C. W. ZIMMER, Hog Buyer.

ZIMMER BROS.,

COMMISSION MERCHANTS

FOR THE PURCHASE OF CATTLE,
SHEEP AND HOGS.

OFFICE, Live Stock Exchange, N. Y. C., Room 19,

STOCK
YARDS,

East Buffalo, N. Y.

We do a strictly Purchasing Business, we will not handle any sale stock under any consideration, consequently we have but one interest in the market, THAT is to keep prices as low as possible.

H. SCHEIDEBERG,

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SAUSAGE CASINGS AND DIRECT IMPORTER OF
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Best Sausage Casings of Every Description.

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MANUFACTURERS OF

FIRE AND BURGLAR PROOF

Safes, Bank Vaults, Etc.

NEW YORK OFFICE:

H. W. BEADLE,
Agent.

79 DUANE ST.

STOCKS OF PROVISIONS IN CHICAGO.

Stocks of provisions in Chicago at close of business, Jan. 31, 1898, as reported to the Board of Trade:

	Jan. 31, '98.	Jan. 31, '97.
Mess pork, winter packed (new), bbls.	26,460	97,013
Mess pork, winter packed (old), '95-96, bbls.	42	2,094
Mess pork, winter packed (old), '95-96, bbls.	42	2,094
Mess pork, summer packed, barrels		108
Other kinds of barreled pork, bbls.	53,153	31,380
P. S. lard, contract (new, old), tcs.	1157,868	1224,998
Other kinds of lard	8,676	8,788
S. R. middles, lbs.	20,808,261	26,848,195
S. C. middles, lbs.	2,497,954	2,972,604
Extra S. C. middles, lbs.	8,308,937	7,822,842
L. C. middles, lbs.	520,436	674,694
D. S. shoulders, lbs.	1,703,416	1,885,044
S. P. shoulders, lbs.	3,215,488	3,163,830
S. P. hams, lbs.	47,019,976	37,191,333
D. S. bellies, lbs.	13,184,439	8,776,811
S. P. bellies, lbs.	7,333,885	5,381,702
S. P. California or picnic hams, lbs.	12,592,751	7,663,962
S. P. Boston shoulders, lbs.	2,639,160	2,137,250
S. P. skinned hams, lbs.	19,145,556	12,141,323
Other cuts of meats, lbs.	25,030,941	12,211,056
Of which 83,604 tcs. were made previous to October 1, 1897.		
Of which 78,843 tcs. were made previous to October 1, 1897.		
Of which 80,976 tcs. were made previous to October 1, 1896.		
Of which 750 tcs. were made previous to October 1, 1895.		

MOVEMENT OF PRODUCT.

	Received.	Shipped.
Pork, bbls.	357	17,255
Lard, gross weight, lbs.	20,494,800	67,103,168
Meats, gross weight, lbs.	20,494,800	67,103,168
Live hogs, No.	757,235	130,283
Dressed hogs, No.	604	8,129
Average weight of hogs received Jan., 1897, 247; Jan., 1896, 230.		

STOCKS OF PROVISIONS IN KANSAS CITY.

Stocks of provisions in Kansas City at close of business Jan. 31, 1898, were as follows:

	Jan. 31, '98.	Jan. 31, '97.
Mess pork, bbls.	849	1,346
Other kinds pork, bbls.	2,170	2,075
P. S. lard, contract, tcs.	12,509	13,494
Other kinds lard, tcs.	6,402	8,333
Short rib middles, lbs.	8,599,765	4,687,467
S. C. middles, lbs.	2,222,813	2,804,067
Extra S. C. middles, lbs.	5,933,784	6,261,414
Long clear middles, lbs.	132,827	142,797
Dry salt shoulders, lbs.	4,308,662	1,081,979
D. S. bellies, lbs.	2,838,912	2,929,411
S. P. shoulders, lbs.	1,475,714	605,674
S. P. hams, lbs.	16,290,157	14,719,934
S. P. bellies, lbs.	5,414,925	4,033,311
S. P. Cal. hams, lbs.	3,198,597	2,614,018
S. P. skinned hams, lbs.	3,596,755	1,136,560
Other cuts meat, lbs.	7,221,532	8,746,022

	Jan. 1898.	Jan. 1897.
Received	375,304	302,586
Shipped	12,099	10,803
Driven out	364,578	292,249

STOCKS OF PROVISIONS IN MILWAUKEE.

The stocks of provisions in Milwaukee at the close of business Jan. 31 were as follows:

	Jan. 31, '98.	Jan. 31, '97.
Mess pork, winter packed (new), bbls.	8,350	19,612
Mess pork, winter packed (old), bbls.	355	316
Mess pork winter packed barrels		
Other kinds pork, bbls.	6,026	5,244
P. S. lard, contract, tcs.	3,869	13,912
Other kinds lard, tcs.	503	1,847
Short rib middles, lbs.	2,540,160	4,627,043
Extra S. C. middles, lbs.	1,489,347	853,935
Long clear middles, lbs.	577,330	708,103
Dry salt shoulders, lbs.	227,627	182,482
S. P. shoulders, lbs.	486,841	253,062
S. P. hams, lbs.	810,120	885,449
S. P. Cal. hams, lbs.	8,197,300	4,351,180
Dry salted bellies, lbs.	2,177,212	1,059,593
Sweet pickled bellies, lbs.	174,900	303,530
S. P. California or picnic hams, lbs.	1,749,300	842,807
S. P. Boston shoulders, lbs.	1,800	632,206
S. P. skinned hams, lbs.	765,600	3,485,241
Other cuts meat, lbs.	6,338,469	

THE WORLD'S SUPPLY OF LARD.

Cable advices to the N. K. Fairbank Company give the following estimates of the stocks of lard held in Europe and afloat, on the 1st inst., to which we add estimates of the former year, and stocks in cities named:

	Feb. 1, '98.	Feb. 1, '97.
Liverpool and Manchester	47,500	66,000
Other British ports	12,000	16,000
Hamburg	32,500	45,000
Bremen	2,000	4,000

	Feb. 1, '98.	Feb. 1, '97.
Berlin	10,000	5,000
Baltic ports	5,500	12,000
Amsterdam	1,000	500
Rotterdam	1,000	500
Mannheim	1,000	500
Antwerp	12,000	40,000
French ports	17,000	15,000
Italian and Spanish ports	1,000	1,000

Total in Europe	140,500	204,500
Afloat for Europe	75,000	55,000

Total in Europe and afloat	215,500	259,500
Chicago contract	157,868	224,998
Chicago other kind	8,676	8,788
East St. Louis	2,278	2,900
Kansas City	18,911	21,827
Omaha	6,723	5,085
New York	19,233	22,464

Total tierces	429,189	545,542
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Supplementary Reports. TALLOW AND STEARINE.

Continued from Page 16.

In tallow there was a sale late on Thursday of 50 hhds. city at 3 9-16, to the home trade, and the 200 hhds. delivered on weekly contracts will therefore go in at 3 9-16, instead of 3%; but at the same time it is very doubtful if more could be had at 3 9-16, although there are refusals out at 3% which have not been accepted.

In oleo stearine nothing further done, with 4% the best bid here, and 4% in Chicago, with refusals quiet.

In oleo oil, nothing further reported from Rotterdam.

COTTONSEED OIL.

Continued from Page 22.

There is a trifle steadier market after the decline of 2 1/4 for prime yellow in New York, that price is now bid for either prime or off-grade, and 22c. asked, while sales of 400 bbls. to arrive have been made at 21 1/4. There is steady holding here of crude in barrels at 18 1/4, but buyers want a small concession on that price. For crude in tank cars at the near Atlantic coast points, 15 is further bid, and 4 cars more obtained at that, but difficulty in buying at that.

J. Y. Griffin & Co., of Winnipeg, will put in a Frick machine in their new plant, of which Messrs. Wm. R. Perrin & Co., of Chicago, were architects.

CHICAGO NOTES.

Exports of bacon last week were 35,000 boxes, against 26,000 the same week last year.

Last week's shipments were 13,400,000 lb meat, about 2,000,000 more than the same week last year.

Robert Lindholm has been "suspended one day for making and reporting false or fictitious purchases or sales." Members of the directory state that he was only technically guilty of the charge, hence the light sentence, while many members of the board think the sentence inadequate. It has been given out that the Lindholm case will be given in the next grand jury, of which ex-President Baker, the recognized chief of the anti-bucket shop combine, will be foreman.

The world's supply of lard on Jan. 31 is estimated at 55,000,000 tierces.

Stocks of new pork here last month increased 14,000 barrels, lard increased 22,000 tierces, and short ribs increased 1,027,000 lb, the gains being less than expected. Stocks of meat increased 18,000,000 lb, and are 164,000,000 lb, against 128,868,000 lb last year.

The directors of the Board of Trade have reappointed A. W. Green attorney for the board at the same salary, \$4,000 a year.

One of the Viles-Robbins' provision warehouses at the Stockyards has been made regular for the storage of provisions by the Board of Trade directors.

The Board of Trade directors have indorsed the action of the delegates to the Indianapolis Sound Money Convention.

The Union Stockyards and Transit Company has absorbed the Chicago, Hammond & Western Railroad Company, and the Chicago, Indiana State Line Railway Company. The consolidated roads will hereafter be known as the Chicago Junction Railway Company. It considerably extends the facilities of the transit department of the Union Stockyards and Transit Company.

NEW YORK MARKETS.

OCEAN FREIGHTS.

The market for ocean freights continues strong. We quote:

	Liverpool, per ton.	Glasgow, per ton.	Hamburg, per 100 lbs.
Oil cake	15/	18/	\$0.18
Canned meats	15/6	2 1/2	1.05 Marks.
Bacon	15/6	30/	1.05 "
Lard, tcs.	15/6	20/	1.05 "
Lard (sm. p. kgs.)	17/6	25/	1.20 "
Butter	30/	30/	2 M. "
Tallow	15/	20/	1.05 "
Cottonseed oil, bbl.	3/	4/	1.05 "
Beef, per tc.	3/	4/	1.05 "
Pork, per bbl.	2/	3/	3.75 "

Direct port U. K. 3/ for large steamers, and 3/6 for small steamers berth terms. Direct port continent berth terms 3/6. Cork for orders 3/4%.

LIVE CATTLE.

Weekly receipts:

	Beves.	Cows.	Calves.	Sheep.	Hogs.
Jersey City	3,404	....	481	10,645	13,661
Sixtieth St.	2,723	103	1,161	14,796	201
Fortieth St. ....	....	....	....	....	20,188
Hoboken	2,186	52	55	1,141	....
Lehigh Val. R.R.	1,374	....	....	....	4,738
Scattering .....	....	....	61	310	....
Totals	9,959	155	1,738	26,892	38,748
Totals last week	9,374	112	1,437	27,342	33,379

Weekly exports:

	Live Cattle	Live Sheep	Quart. Beef.
Eastmans Company .....	....	....	4,840
Armour & Co. ....	....	....	295
Nelson Morris .....	....	....	2,600
Swift and Company .....	....	....	1,947
Schwarzschild & Sulzberger	1,158	....	....
J. Shamburg & Son	909	1,022	....
D. H. Sherman	337	....	....
Eppstein & Sanders	140	....	....
Pritchard, Moore & Co.	200	....	....
G. F. Lough & Co.	14	....	....
D. G. Culver	33	....	....
J. H. Wilkerson	30	....	....

Total shipments	2,841	1,022	11,801
Total shipments last week	2,485	....	12,194
Boston this week	3,948	4,014	9,345
Baltimore "	801	1,607	1,486
Philadelphia " .....	....	....	....
Portland "	1,037	283	....
Newport News "	769	....	....
St. Johns, N. B. "	475	580	....
To London	3,195	....	2,419
To Liverpool	5,015	6,769	17,388
To Glasgow	1,200	137	....
To Bristol	405	....	....
To Southampton .....	....	....	2,475
To Hull	380	....	....
To Bermuda and West Indies	47	40	....
Totals to all ports	10,142	6,916	22,282
" " last week	9,090	4,415	25,403

QUOTATIONS FOR BEEVES (New York).

Good to choice native steers	4 85 a 5 15
Medium to fair native steers	4 60 a 4 80
Common native steers	4 00 a 4 50
Stags and Oxen	3 75 a 4 50
Bulls and dry cows	2 00 a 3 60
Good to prime native steers one year ago	4 75 a 4 90

LIVE CALVES.

Veals are firm, there being not enough stock to supply demand. Grassers are also firmer in tone, but not notably changed. We quote:

Live veal calves prime, per lb.	8 1/4 a 9
" common to good, per lb.	6 a 8
Live Calves, buttermilk and grassers, per lb.	8 1/4 a 4
" fed, per lb.	4 a 5

LIVE HOGS.

The market is firm, with stocks from the West arriving irregular, owing to the weather, and prices are somewhat higher. We quote:

Hogs, heavy weights (per 100 lb.) extreme	4 20 a 4 30
Hogs, heavy	4 a 30
Hogs, light to medium	4 a 35
Pigs	4 a 40
Roughs	3 20 a 3 40

CHICAGO.

Union Stockyards.—Hogs active and generally 5c. higher; light, \$3.65@3.90; mixed packers, \$3.75@3.90; heavy shipping grades, \$3.70@3.95; rough packing grades, \$3.70@3.75. Hogs closed easy; packers bought 17-200; shippers bought 6,500; left over, 2,000. The estimated receipts for to-morrow are 20,000.

CINCINNATI.

Hogs active and 5@10c. higher at \$3.15@ \$3.95.

EASTMANS COMPANY

OF NEW YORK.

CITY DRESSED BEEF.

Salesroom and Abattoir:

59th STREET, 11th AND 12th AVENUES.

NEW YORK.

Telephone Call, 896-38th St.

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TELEPHONE NO. 87.-39TH STREET.

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SALESHOOMS, 617, 619 & 621 W. 39th St., N. Y.BEST QUALITY OF CITY DRESSED REFRIGERATED
BEEF ALWAYS ON HAND.

KINGAN & CO., Ltd.,

Pork and Beef
Packers,

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BRANCHES:

RICHMOND, VA.
NEW YORK, Manhattan Market.
PHILADELPHIA, PA., Vine Street.
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SAN FRANCISCO, CAL.
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E. E. JOHNSTON,

COMMISSION BUYER OF

HOGS, SHEEP AND CATTLE.

N. Y. CENTRAL LIVE STOCK YARDS
EAST BUFFALO, N. Y.

OFFICE. ROOM 16. EXCHANGE BUILDING

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Established 1830.

Telephone, No. 662 Franklin.

188 and 190 Monroe Street,
NEW YORK.

Established 1850.

SCHWARZSCHILD & SULZBERGER CO.,

NEW YORK ABATTOIRS: KANSAS CITY.

Packers and Curers of Choicest Grades of

Beef, Veal, Mutton and Pork,

ALL PACKING HOUSE PRODUCTS.

MAIN OFFICES:

45th St. & First Ave.

NEW YORK CITY.

MAIN BRANCH AND ABATTOIR:

1st Ave., 45th & 46th Sts. & East River.

DEPOTS: 518 West Street; Gansevoort Market; Tompkins Market, Third Ave. and 7th St.;
First Avenue and 102d Street; Twelfth Avenue and 132d Street.

BROOKLYN:

DEPOTS: Pacific and 5th Avenues; Wallabout Market.

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N. H. Snyder,

SHIPPER AND DEALER IN
Standard Provisions
and Meat Specialties,

Tongues, Tripe and Figs' Feet in Vinegar, 25, 50 and 100-lb. Regs. Hotels and the Trade
solicited. Orders by Telegraph or Letter promptly attended to.

231 FULTON STREET, NEW YORK.

Telephone Call:
3066 Cortlandt.

160-161 WASHINGTON MARKET, NEW YORK.

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TELEPHONE 575A,
38TH STREET.

J. M. & P. SCANLAN,

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WHOLESALE DEALERS IN

MUTTON, LAMB AND VEAL.

Main Office and Abattoir, 613 to 619 West 40th Street, New York.

Branches at: West Washington Market, New York, 169 Fort Green Place, Brooklyn.

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THE HARLEM PACKING HOUSE

RICHARD WEBBER,

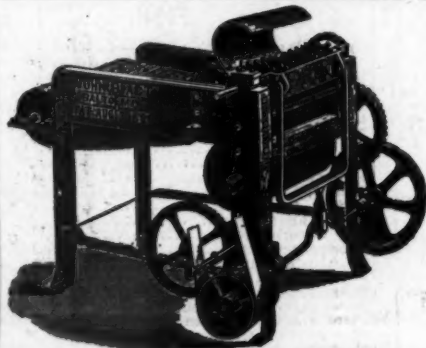
OFFICE AND REFRIGERATED SALESHOOMS:

120th Street and Third Avenue,

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SLAUGHTERER
OF AND DEALER IN
CATTLE, HOGS
AND POULTRY.
PORK AND BEEF
PACKER.
LARD REFINER.
CURED
OF FINE PROVISIONS
FOR HOME AND
EXPORT TRADE.

ABATTOIRS, FOOT OF W. 39th St., NEW YORK.
ST. JOSEPH, MO. SIOUX CITY, IA.



NO PORK PACKER

Can afford to be without

THE CHAMPION FAT CUTTING MACHINE

Cuts 100 lbs. per minute uniformly. Re-
duces Crackling Cake 6 per cent.
HAS STOOD ALL TESTS.

MADE ONLY BY

JOHN B. ADT,

332 to 342 N. Holliday Street,
BALTIMORE, MD.

KAUFMAN & STRAUSS, WHOLESALE BUTCHERS

Slaughter House, 622 & 624 W. 40th Street.

Salesroom, 623 & 625 W. 39th Street.

Office, 623 West 39th St., NEW YORK.

TELEPHONE 1430-39TH ST

THE LEADING PACKERS IN THIS
COUNTRY, IN GREAT BRITAIN AND
EUROPE SUBSCRIBE TO THE NA-
TIONAL PROVISIONER. IT IS NOT
NECESSARY TO ASK WHY.

Orders promptly attended
to, City or Country.

General Provision Dealer.

EAST BUFFALO.

Hogs active and higher; Yorkers, \$4.10@ \$4.12½, closing at \$4.15; mixed packers, \$4.10; mediums, \$4.10@ \$4.12½; heavy shipping, \$4.10@ \$4.12½; pigs, \$3.85@ \$3.90; roughs, \$3.50@ \$3.60; 21 cars on sale.

EAST LIBERTY.

Hogs active; best medium weights, \$4.15; best Yorkers, \$4.10; common to fair light, \$4.00@ \$4.05; pigs, \$3.85@ \$3.95; heavy weights, \$3.90@ \$4.

INDIANAPOLIS.

Hogs stronger at \$3.85@ \$3.95.

PEORIA.

Live hogs strong to fully 10c. higher; light, \$3.70@ \$3.80; mixed and heavy, \$3.75@ \$3.90; roughs, \$3.40@ \$3.60.

ST. LOUIS.

Hogs 5@10c. higher; Yorkers, \$3.70@ \$3.75; packers, \$3.70@ \$3.85; butchers, \$3.85@ \$3.90.

LIVE SHEEP AND LAMBS.

Market is higher owing to the scarcity of stock; nothing reached the market for three days owing to the storm, old stocks are being cleaned up. Demand good. We quote:

Live spring lambs, per lb. 6 a 6½
" sheep, good to prime, " 4 a 5
" poor to fair, " 3 a 4½

LIVE POULTRY.

The severe snowstorm and cold weather has interfered more or less with trade, and demand is light, causing market to present a rather weak appearance. Dealers and speculators are taking the fresh offerings from receivers at below reduced prices. Turkeys in light supply and firm. Ducks and geese in moderate demand. We quote:

Fowls, Western, per lb. 9 a 9½
" Southern and Southwestern, per lb. 9 a 9½
Chickens, Western, per lb. 8 a 8½
Roosters, per lb. 8 a 8½
Turkeys, per lb. 10 a 10½
Ducks, fat, per pair 60 a 65
Ducks, av. Western, per pair 20 a 25
" Southern and Southwestern, per pair 25 a 30
Geese, fat, per pair 1 25 a 1 50
" av. Western, per pair 1 12 a 1 25
" Southern and Southwestern, per pair 1 10 a 1 20
Pigeons, per pair 20 a 25

DRESSED BEEF.

Trade has somewhat improved, although there is no alteration in figures; outside prices are firm, with a good demand. Bologna meat dragging at below quotations. We quote:

Choice Native, heavy 8 a 8½
" light 7½ a 7¾
Common to fair Native 7 a 7½
Choice Western, heavy 6½ a 6¾
" light 6 a 6½
Good to prime Western 7 a 7½
Common to fair Texan 6½ a 6¾
Good to choice Heifers 6 a 6½
Common to fair Heifers 5½ a 6
Choice Cows 6 a 6½
Common to fair Cows 5½ a 6
Good to choice Oxen and Steers 6½ a 6¾
Common to fair Oxen and Steers 5½ a 6
Fleshy Bologna Bulls 6½ a 6¾
Bologna Cow beef, boned 4½ a 5½

DRESSED CALVES.

Light receipts, but trade ruled slow and market generally quiet. We quote:

Veals, City dressed, prime 11 a 13
" common to good 9 a 11
Country dressed, prime 11 a 13
" common to good 7½ a 10½
Grassers and Butterfats 6 a 7

DRESSED HOGS.

Market quiet, but firm; demand improving; supply irregular. Scarcity of live stock arriving from the West, owing to the snowstorm, moved prices up ¼c., but it is expected that it will fall the same ¼c. early in the coming week. We quote:

Hogs, heavy 5½ a 5¾
Hogs, 160 lbs. 5 a 5½
Hogs, 160 lbs. 5 a 5½
Hogs, 140 lbs. 5 a 5½
Pigs 5½ a 6½
Country dressed 5½ a 6½

DRESSED SHEEP AND LAMBS.

Spring lambs in moderate supply and held quite firmly at full late prices. Sheep, fair demand at a trifle advance. We quote:

Good to choice lambs 8½ a 9½
Common to medium lambs 8 a 8½
Good to prime sheep 7½ a 8
Common to medium 6 a 6½

DRESSED POULTRY.

Receipts last six days, 15,009 packages; previous six days, 11,030 packages; corresponding six days last year, 10,681 packages. Receipts are showing up fairly; while invoices are ample, demand is moderate. General quality of most all descriptions of fresh killed continues irregular. Really fancy turkeys are scarce. Philadelphia chickens rarely show desirable quality. Western in fair supply; only a few strictly fancy, but Westerns are selling better than most other descriptions, a few bringing a premium when large and fancy. Capons plenty and irregular. Fancy ducks held steady. Geese only moderately active. Large squabs firm. We quote:

Turkeys, Western, fancy, young hens, per lb. 13 a 13½
" " " " & toms 12 a 12½
" " " " young toms, lb. 12 a 12½
" " " " fair to good, lb. 10 a 11
" " " " old toms 10 a 10½
Chickens, Jersey, fancy, per lb. 10 a 10½
" " " " fair to good 10 a 10½
" State and Penn., good to prime 9 a 9½
" Western, dry-picked, fancy 9 a 9½
" Western, scalded, fancy 9 a 9½
" Western, poor to good 7½ a 8½
" and fowls, mixed, West., av. prime 9 a 9½
" " " " fr to good 7½ a 8½
Fowls, State and Penn., good to prime 8½ a 9
" Western, av. prime 8½ a 9
" " " " fair to good 7 a 7½
Old Cocks, Western 5½ a 6
Capons, Phila., fancy, large 12 a 14
" " " " medium sizes 12 a 14
" " " " small and slips 10 a 11
" Western, fancy, large 12½ a 14
" " " " medium sizes 11½ a 12
" " " " small and slips 9 a 11
Ducks, near-by, fancy, per lb. 9 a 10
" Western, fancy, per lb. 6 a 8
" " " " fair to good 8 a 8½
Geese, near-by, prime 8 a 8½
" Western, fancy 7 a 8
" " " " fair to good 6 a 6½
Squabs, choice, large white, per doz. 3 00 a 3 25
" small and poor, per doz. 1 75 a 2 00

PROVISIONS.

The demand is good and market firm at outside prices on hams and smoked bacon. Loins are firm at a trifle advance. Bellies, tongues and beef sets remain as last week. We quote:

(JOBBER TRADE.)
Smoked hams, 10 lbs. average 9 a 9½
" " " " 12 to 14 " 8½ a 9½
" " " " heavy 8 a 8½
California hams, smoked, light 6½ a 7
" " " " heavy 6 a 6½
Smoked bacon, boneless 9½ a 10
" " " " (rib in) 8½ a 9
Dried beef sets 12 a 13
Smoked beef tongues, per lb. 13 a 14
" shoulders 6 a 6½
Pickled bellies, light 7 a 8
" heavy 6 a 7
Fresh pork loins, City 7½ a 8
" Western 6½ a 7

FISH.

Cod, heads off 8 a 10
" heads on 4 a 5
Halibut, White 4 a 12
" Grey 4 a 12
Striped bass 12 a 25
Bluefish, frozen 7 a 8
Eels, skinned 6 a 12½
" skin on 4 a 6
White perch 5 a 10
Flounders 4 a 8
Salmon, Western 15 a 18
" frozen 7 a 8
Smelts, Kennebec 4 a 10
" Scotia, frozen 5 a 10
Lobsters, large 16 a 18
" medium 8 a 10
Herrings 2½ a 3
Red snappers 6 a 8
Mackerel Spanish, green, frozen 6 a 8
" frozen 15 a 15
Shad, bucks 25 a 45
Shad, roes 60 a 1 00
Scallops 1 00 a 2 00
Soft crabs 1 a 1
Porgies 1 a 1
Weakfish, frozen 5 a 6
Sea bass 12 a 15
White fish 12 a 15
Pompano 15 a 20
Haddock 3 a 5
King fish 15 a 18
Cliscos 4 a 4½
Prawn 60 a 75
Sea trout 10 a 10

GAME.

Partridge still scarce. Grouse firm at advanced prices. Quail without any change. Wild ducks in fair demand, and in a few cases 10c. extra asked. Rabbits have a good sale, but stocks are light. Venison, no change. We quote:

Partridges, per pair, near-by, prime 1 00 a 1 50
" Western, per pair 1 00 a 1 00
Grouse, prime, dark, undrawn, per pair 1 13 a 1 25
" " " " per pair 1 00 a 1 12
" inferior, per pair 50 a 60
Quail, Western, per doz., prime 1 75 a 2 00
" Southern, " " 1 50 a 1 60
Wild ducks, canvas, per pair 2 00 a 2 50
" redhead, " 75 a 1 50
" ruddy, " 50 a 75
" mallard, " 75 a 1 00
" black, " 75 a 80
" blue wing teal, per pair 40 a 50
" green wing teal, " 20 a 25
Rabbits, prime, per pair 35 a 40
Jack Rabbits, per pair 35 a 40
Venison, saddles, per lb. 12 a 16
" fresh, whole deer, per lb. 10 a 12

BUTTER.

Receipts last six days, 30,124 packages; previous six days, 31,419 packages. Business in the higher grades of butter is moving along nicely. Cold weather is encouraging pretty fair buying. The burden of the market just now is the accumulation of stale creamery worth, say 16@18c., but exceedingly hard to sell at that. The little trade in State dairy butter is at irregular prices. Imitation creamery quiet, and favors the buyer. Fresh factory slow and weak; round lots of finest goods could be bought below our quotation. Rolls dull. We quote:

(NEW BUTTER.)
Creamery, Western, extras, per lb. 20 a 20
" " " " firsts 18 a 18½
" " " " seconds 16 a 17
" " " " thirds 14½ a 15½
" State finest 19 a 19
" " " " firsts 17 a 18
" " " " thirds to seconds 14 a 16
" " " " June make, extras 17½ a 18
" " " " firsts 16 a 17
" " " " thirds to seconds 14 a 15½
State dairy, half firkin tubs, full ends, finest 17 a 18
" " " " firsts 16 a 16½
" " " " seconds 14 a 15
" " " " thirds 13 a 13½
" " " " fourths 12 a 13
" " " " fair to choice 13 a 16½
Western imitation creamery, fancy 16 a 17
" " " " firsts 14 a 15
" " " " seconds 13 a 13½
" " " " factory, fresh extras 13½ a 14
" " " " fresh, firsts 13 a 13½
" " " " seconds 12½ a 13
" " " " lower grades 11 a 12
" " " " June grades 11½ a 14
" " " " held, thirds to firsts 11 a 13
Rolls, fresh, fancy 13 a 13½
" poor to choice 10 a 11

CHEESE.

Receipts last six days, 8,294 boxes; previous six days, 10,745 boxes. The market presents a quiet appearance. Weather is too cold to risk shipping cheese any distance, while snow blockades interfere with local deliveries, and home trade dealings limited to positive necessities. Holders of perfect quality full cream are inclined to take a hopeful view of larger figures for the future, but the feeling at present is unsettled, owing to the absence of demand, and certainly weak and irregular on all grades. Skins quiet and unchanged. Cable, 42s. We quote:

(NEW CHEESE.)
State, full cream, large, fancy, Sept. 8½ a 8½
" " " " choice Oct., large 8 a 8½
" " " " fair to good 7½ a 7¾
" " " " common 6½ a 7
" " " " colored, small, fancy, Sept. 9 a 9½
" " " " white, " " Sept. 9 a 9½
" " " " small, choice October 8½ a 8
" " " " common to good 7½ a 8
" light skims, choice, small 6½ a 6½
" " " " large 6 a 6½
" part " " small 6 a 6
" " " " large 6 a 6½
" " " " good to prime 4½ a 6½
" " " " common to fair 3½ a 4
" full skims 2 a 3

EGGS.

Receipts last six days, 33,582 cases; previous six days, 29,167 cases. The decline to 18c. for fresh Western Tuesday, in the face of very cold weather, carried the market below the ideas of most of the trade, but a stronger tone developed later in the week. On 'Change Wednesday 50 cases Missouri and 50 cases Kansas sold at 19c. and 50 cases Kansas at 18½c. at mark. The demand at the advance was quieter, but stock is not urgently offered, and the tone of the market is fairly steady at the close. Refrigerators are working out at unchanged prices. We quote:

Penna., fancy, fresh, per doz. 19 a 19½
B. It. and Wash., fresh-gathered, firsts 18½ a 19
Western, fresh-gathered, firsts 18 a 19
" " " " fair to good 18½ a 19
Kentucky, fresh, fair to choice 18 a 18½
Tenn. and Va., fresh, fair to prime 18 a 18
Southern, fresh, fair quality 18 a 18
Refrigerator, prime, case count 14 a 14½

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—The San Joaquin Ice Co., Fresno, Cal., are building a new ice plant, costing about \$75,000. The freezing room is 277x55 feet and 32 feet high. The ice house is 100x42 and 32 feet high.

—The Seattle Ice Co., Seattle, Wash., were granted permission to erect an \$80,000 building, to be fitted with an ice making plant.

—The Ventura Land & Power Co.'s ice plant at Ventura, Cal., was destroyed by fire Jan. 21. The estimated loss is about \$50,000. Insurance, \$15,000. General Manager Christman states the plant will be rebuilt at once.

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BUTCHERS.

The following Mortgages on Butchers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, Jan. 29, 1898. They are a reprint from our National Retail Butchers' Review, 284-286 Pearl Street, New York, sent out to houses on January 31, who subscribe to same.

MANHATTAN BOROUGH.
(New York City.)**Mortgages.**

Durk, Philip, Kingsbridge; to John Durk	\$350
Durland, Garrett, Central Market; to Madeline Durland	200
Grossman & Kaufman, 640 E. 5th; to I. Steg	32
Gottlieb, Manes, 449 W. 52d; to B. Feinstein	30
Ponds, Fredk., 477 Bleecker; to J. McLean	175
Roth, Chas., 985 Columbus Ave.; to Dumrauf & Wicke	80

Bills of Sale.

Zimmermann, Markel, 1572 1st Ave.; to Hy. Dreuholt	200
--	-----

BOROUGH OF BROOKLYN.**Mortgages.**

Benninger, H. O., 1048 5th Ave.; to F. Holder	300
Braunworth, Margt., 337 Van Brunt; to F. Braunworth	100
Schoff, H. G., 320 Stuyvesant Ave.; to Margt. Schoff	1,500

Bills of Sale.

Braunwarth, F., 337 Van Brunt; to Margaret Braunwarth	Nom.
Fetzger, J., 513 3d Ave.; to W. Berg-horn	175
Neu, Fredk. C., 86th, near 22d Ave.; to L. Neu	1,200

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MANHATTAN BOROUGH.**(New York City.)****Mortgages.**

Catarsi, Argia, 107 W. 26th; to J. Olivers	\$150
Geotze, Adolph, 1535 Avenue A; to C. Friend	300
Mazzella, Jos., 587 1st Ave.; to Smith & Silla (R.)	140
Spiegel, E. A., 822 3d Ave.; to C. Mergenthaler	300
Simon, Jennie, 12 E. 113th; to I. Wiel.	200
Veerhoff, Mary E., 614 Columbus Ave.; to W. Meyer	484
Bernard, B. and E., 297 West; to F. J. Farrett	50
Childs, S. S. and Wm., Jr., 815 Broadway; to Roosevelt & Son	5,000
Ebersson, L., 13 Clinton; to Michael & Hamberger	20
Fisher, Sarah, 302 8th Ave.; to Stern & Heller	450
Klein, Nina, 35 Walker; to B. & A. Turkel	400
Lake, Wm., 375 Bowery; to Mutual L. Assn.	200
Murray, Matthew, 2356 3d Ave.; to E. R. Biehler	63
McDonald, Jas., 92 South; to A. Lyon.	875
Roche, Annie M., 931 6th Ave.; to M. L. Youngs	581
Tessitori, Ciro, 88 Macdougall; to E. R. Biehler	24
Todd, L. L., Hotel Marlborough; to C. M. Goodridge	8,161

Bills of Sale.

Borchers, Wm., 69 1st Ave.; to H. Stock	350
Feitelson, Nathan, 117 Walton, Brooklyn; to A. Eisenbud	150
Falsom, Guiseppe, 833 Columbus Ave.; to C. W. Lang	300
McLean, Mary D., 1460 Broadway; to E. Du Bois	1
Mergenthaler, Chas., 822 3d Ave.; to E. A. Spiegel	1
Meyer, Wilhelmine, 1614 Columbus Ave.; to M. E. Veerhoff	1
Rubin, Hyman, 123 Ridge; to Jos. Rubin (Milk Fixtures)	3,500

BOROUGH OF BROOKLYN.**Mortgages.**

Hildebrand, M.; to Anna Hildebrand (Milk)	700
Schneider, F., 29 Myrtle Ave.; to Seeman Bros.	340
Smith, F., 84 South Elliott Pl.; to H. Brammel	750
Dexter, Emma, Henderson's Walk; to Elias P. Clayton	600
Sprout, W. H., 602 Grand; to Nettie E. Sprout	400
St. Charles, C. A., 140 Franklin; to P. J. Bungurt	350

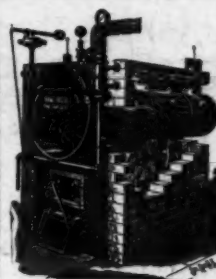
Bills of Sale.

Kuhloff, 170 5th Ave.; to B. Beottjer.	1,000
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HUDSON COUNTY.**Mortgages.**

Goepp, Albert, Hoboken; to G. Hauer.	100
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NOTE.—The above information will be furnished in our National Retail Butchers' Review, 284-286 Pearl Street, New York, nearly one week ahead of this publication to all those who may desire to order it. Price, \$2.00 per year, 52 weekly numbers.

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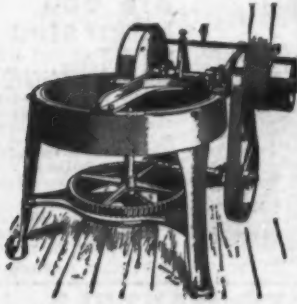
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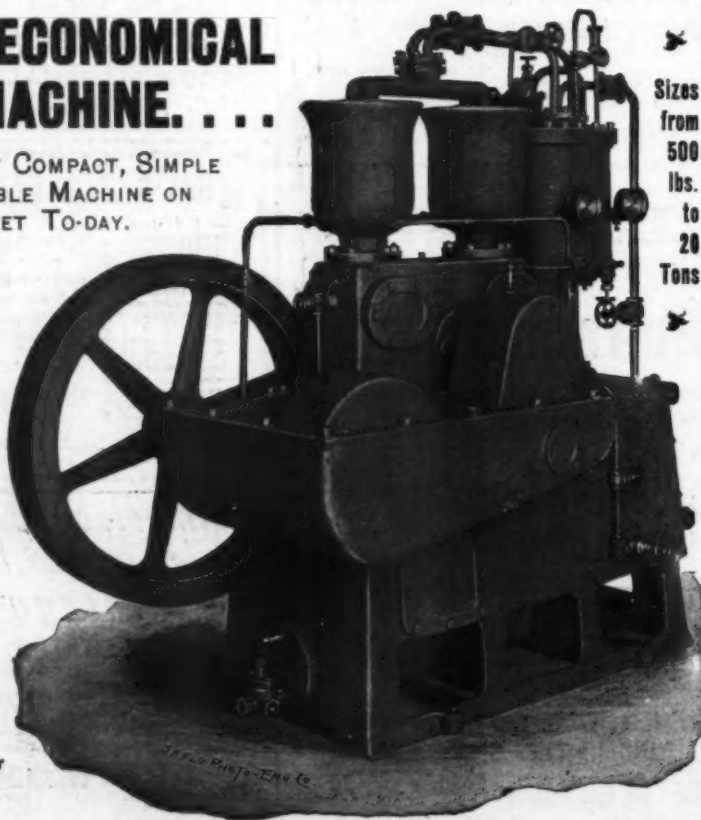
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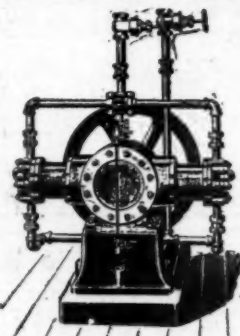
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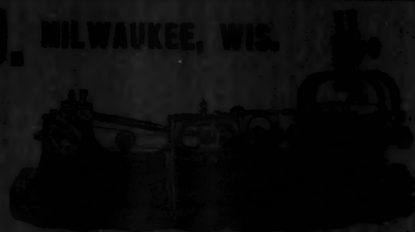
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